EXHIBIT 1

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APPENDIX A

APPENDIX A: IETF Standards and Publications

1.   I have reviewed Arista's responses, including supplemental responses to Cisco's Interrogatory No. 10 and incorporate the identification of IETF publications and other industry-standard documents cited in those responses for the disputed CLI commands.

A.   Authentication, Authorization, and Accounting ("AAA") Protocols

2.   Authentication, Authorization, and Accounting, or AAA, is a networking industry term that refers to a protocol or framework for managing access to computer resources, enforcing network policies (including security policies), auditing network usage, and providing data for use in billing for network services.

3.   Per Cisco's own background on AAA, the phrase "authentication, authorization, and accounting" was first used as a discrete term as early as 1983 in an IEEE paper (Lagsford et. al., "OSI Management and Job Transfer Services," *Proceedings of the IEEE,* Volume 71, No. 12, December 1983.) and the ordering of the "As" in the Lagsford publication remains the same in today's usage. *See*

http://www.cisco.com/c/en/us/about/press/internet-protocol-journal/back-issues/table-contents-35/101-aaa-part1.html.

4.   The IETF describes several AAA standardized protocols, including RADIUS (RFCs 2058, 2138, and 2865) and Diameter (RFC 6733), as well as several proposed AAA protocols that were not ratified as IETF standards, including TACACS (Terminal Access Controller Access Control System) and TACACS+ (a version of TACACS developed by Cisco, and described in an IETF Informational publication).

5.   Generally speaking, an AAA protocol is an IP protocol used to transport AAA

related information between the AAA client and the AAA server, but does not typically cover

protocols used between the host and the AAA client.

6.   The "Authentication" in AAA refers to the process of identifying a user based

on unique criteria, such as checking for a valid user name and valid password, before access is

granted to the system or network. The "Authorization" in AAA refers to the process of

determining the types or qualities of activities, resources, or services a user is permitted to

access. This may involve, for example, determining whether the user has authority to issue

certain commands, or may access certain resources in the system or network. The

"Accounting" in AAA refers simply to the tracking of resources a user consumes while

accessing the system or network, such as the amount of data a user may send or receive over

the network. Accounting data can be used for billing, resource management, and capacity

planning, and other statistical analyses.

a. Remote Authentication Dial In User Service ("RADIUS")

7.   RADIUS is the acronym for Remote Authentication Dial In User Service,

which is an AAA protocol developed by Merit Network in 1991 before it was described in

RFC 2058 (a standards-track IETF RFC) in January 1997, entitled "Remote Authentication

Dial In User Service (RADIUS)". Several subsequent standards-track RFCs followed,

including RFC 2138 (Apr. 1997) and RFC 2865 (June 2000). RADIUS follows a simple

client/server model that uses UDP transport.

b. Terminal Access Controller Access Control System ("TACACS")

8.   TACACS (pronounced "tack-axe") is the acronym for Terminal Access

Controller Access Control System, which is an AAA protocol described in RFC 1492, an

Informational RFC, entitled "An Access Control Protocol, Sometimes Called TACACS" and

published in July 1993 by C. Finseth from the University of Minnesota. As RFC 1492

discusses, the original TACACS protocol dates back to the ARPANET in the 1980s.

9.   TACACS allows a client to accept a username and password and send a query

to a TACACS authentication server, which is also called a TACACS daemon. The

authentication server would then determine whether to accept or deny the authentication

request.

10.   Many additional RFCs discuss AAA, including RFC 2903 ("Generic AAA

Architecture") (Aug. 2000), RFC 2904 ("AAA Authorization Framework") (Aug, 2000), and

several others listed and available for viewing to the public on the IETF website. *See, e.g.*,

https://datatracker.ietf.org/doc/search/?name=AAA&activedrafts=on&rfcs=on. While some of

these RFCs are Informational or Experimental, others are Proposed Standards and Best

Current Practices RFCs.

11.   The following CLI commands in this litigation provide functionality relating to

AAA protocols, including both RADIUS and TACACS (shown in chronological order based

on Cisco's purported "earliest document date" for each alleged command):

Disputed "Command"	Earliest Document Date	Additional Opinions[1]
tacacs-server host	April 24, 1989	As explained in RFC 1492, TACACS dates back to the ARPANET in the 1980s, before the term was used in this command.

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[1] For all portions of this Appendix, these additional opinions are intended to provide further facts and opinions showing the use in industry standards, or the general use in the networking industry and users of networking equipment, of words found in the disputed commands prior to the command's purported creation by Cisco. The additional opinions are intended to apply to all disputed commands that might use the same words and phrases (for example, an opinion about the term "aaa" will not be repeated next to all commands in which that term appears).

		TACACS authentication servers are discussed in RFC 1492 (July 1993), and the term "TACACS+ server" is used in IETF Internet Draft "The TACACS+ Protocol Version 1.78" (Jan. 1997). The general requirement of AAA servers is also discussed in RFC 2903.
tacacs-server timeout	September 14, 1989	RFC 1492 (July 1993) uses the common industry term "timeout" in the context of TACACS (using the term "idle timeout"). Moreover, the IETF Internet Draft "The TACACS+ Protocol Version 1.78" (Jan. 1997) defines "timeout" as "an absolute timer for the connection (in minutes). A value of zero indicates no timeout."
aaa accounting	November 15, 1994	"accounting" is one of the three A's of AAA, and has been since at least 1983.
aaa authentication login	November 15, 1994	"authentication" is one of the three A's of AAA, and has been since at least 1983. The use of logins for authentication is discussed in RFC 2989 § 2.3 ("Authorization Requirements").
radius-server host	May 4, 1995	The terms "radius" and "radius server" are used in RFC 2058 (Jan. 1997), and the Introduction of that RFC describes Radius as a client/server application, and

		expressly uses the term "RADIUS server." The general requirement of AAA servers is also discussed in RFC 2903. Term "radius-server" refers to the server responsible for radius authentication. The term "host" refers to the identity of the appliance acting as a radius server (*i.e.* hostname or ip address). "Host" is described in RFC 1514 (Sept. 1993).
radius-server key	May 4, 1995	The term "key" refers to password used to authenticate radius messages from valid users, and is a common industry term to refer to a unique authentication value, like a password. RFC 2058 (Jan. 1997) Section 2.1 uses "secret key" in this manner.
radius-server retransmit	May 4, 1995	Term "retransmit" refers to the number of attempts a radius client should try before cancelling a radius request. This is discussed in RFC 2058 (Jan. 1997) Section 2. RFC 2618 (June 1999) also defines a variable relating to RADIUS Access-Request packet retransmission.
radius-server timeout	May 4, 1995	Term "timeout refers to the amount of time a radius client should wait

		for a reply from a server. This is discussed in RFC 2058 (Jan. 1997) Section 2. RFC 2618 (June 1999) defines a RADIUS timeout variable.
ip tacacs source-interface	December 8, 1995	"ip" was defined in RFC 791, long before this command was introduced into Cisco. IP is discussed elsewhere in this report.
ip radius source-interface	January 1, 1996	The term "source-interface" refers descriptively to the function of overriding the source IP address for all radius packets transmitted.
tacacs-server key	February 1, 1996	The IETF Internet Draft "The TACACS+ Protocol Version 1.78" (Jan. 1997) at Section 5 discusses the use of a "key" for encryption. This is analogous to the "key" used for RADIUS servers, and is a common term in the AAA context.
show tacacs	February 9, 1996	"show" commands come from prior legacy CLIs, as discussed elsewhere in this Report. TACACS is an industry defined acronym as shown in RFC 1492 (July 1993).
radius-server deadtime	June 3, 1996	The term "deadtime" refers to the amount of time a server is bypassed when it is unavailable for a radius transaction (transactions are handled by a secondary radius server). *See* RFC 2058 at Section 2.
aaa authorization config- commands	December 10, 1996	"authorization" is one of the three A's of AAA, and has been since at

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		least 1983.
aaa group server radius	May 5, 1998	As discussed above, RADIUS is a type of AAA protocol.
aaa group server tacacs+	May 5, 1998	As discussed above, TACACS is a type of AAA protocol. "tacacs+" and "tacacs+ server" are both described in "The TACACS+ Protocol" (Informational IETF publication) (Jan. 1997)
aaa authorization console	July 15, 1999	Constituent command keywords discussed elsewhere in this table and section. "Console" as used in this context refers to the console connection, and so would enable authorization entered through the console (as opposed to entered via some other connection type). This use of "console" in this and other disputed commands uses the familiar industry meaning of the term to user.
show aaa method-lists	June 12, 2000	"show" commands come from prior legacy CLIs, as discussed elsewhere in this Report. RFC 2058 § 1 describes that "[t]he RADIUS server can support a variety of methods to authenticate a user."
show aaa sessions	September 29, 2000	RFC 2989 § 2.3 describes "session records" and RFC 6065 § 4.1 describes ""A unique identifier is needed for each AAA-authorized

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		'session', …."
aaa accounting dot1x	March 29, 2006	"dot1x" refers to the 802.1X standard. The IEEE standard itself uses the term "dot1x". *See* IEEE Std 802.1X-2001 (Sept. 2001) (discussed elsewhere in this Report). RFC 3580 § 1 (Sept. 2003) discusses AAA for IEEE 802 networks.
show radius	November 14, 2006	Constituent command keywords discussed elsewhere in this table and section.

B.   Address Resolution Protocol ("ARP")

12.   Address Resolution Protocol, or ARP, is described in RFC 826, which is titled "An Ethernet Address Resolution Protocol -- or -- Converting Network Protocol Addresses to 48 bit Ethernet Address for Transmission on Ethernet Hardware" and was published in November 1982. David C. Plummer from MIT is identified as the author of RFC 826.

13.   ARP provides a mechanism to enable a host to determine a receiver's MAC address based solely on the IP address. The Internet Assigned Numbers Authority (IANA), which is an entity responsible for the global coordination of the DNS Root, IP addressing, and other Internet protocol resources including Internet protocols' numbering systems, maintains a list of all ARP parameters. *See* http://www.iana.org/assignments/arp-parameters. More information about the IANA and its authority is available on the IANA's website at http://www.iana.org/about.

14.   ARP as described in RFC 826 has been addressed and/or updated by

subsequent RFCs, including RFC 5227, entitled "IPv4 Address Conflict Detection" and published in July 2008, and RFC 5494, entitled "IANA Allocation Guidelines for the Address Resolution Protocol (ARP)" and published in April 2009.

15.   The following CLI commands in this litigation provide functionality relating to the ARP standard (shown in chronological order based on Cisco's purported "earliest document date" for each alleged command):

Disputed "Command"	Earliest Document Date	Additional Opinions
show arp	July 20, 1986	"show" commands come from prior legacy CLIs, as discussed elsewhere in this Report. "Address Resolution Protocol" appears in RFC 826 (Nov. 1982), and the acronym "ARP" is first used in RFC 925 (Oct. 1984).
clear arp-cache	July 20, 1986	RFC 1620 § 5 ("Security Considerations") describes: "This validation, involving both routing and ARP caches, ..."
ip proxy-arp	September 14, 1989	"IP" was described in RFC 791 (1981), as discussed elsewhere in this Report. RFC 1009 § 2.4 ("Address Resolution Protocol (ARP)") (1987) describes: "A variation on this procedure, called 'proxy ARP', has been used by gateways attached to broadcast LANs …" RFC 1027 (1987) similarly describes: "This RFC describes the

		use of the Ethernet Address Resolution Protocol (ARP) by subnet gateways to permit hosts on the connected subnets to communicate without being aware of the existence of subnets, using the technique of 'Proxy ARP'"
show ip arp	December 1992	Constituent command keywords discussed elsewhere in this table and section.
arp timeout	1993	The "timeout" for ARP is discussed in RFC 826 (Nov. 1982).
ip local-proxy-arp	March 13, 2001	Constituent command keywords discussed elsewhere in this table and section.
clear ip arp	April 21, 2008	"clear" commands come from prior legacy CLIs, as discussed elsewhere in this Report.

C.   Bidirectional Forwarding Detection ("BFD")

16.   Bidirectional Forwarding Detection, or BFD, was first described in a standards-track Internet Draft by the IETF Network Working Group in July 2004 by D. Katz from Juniper Networks and D. Ward from Cisco Systems. The first Internet Draft, entitled "Bidirectional Forwarding Detection … draft-ietf-bfd-base-00.txt" was followed by eleven subsequent drafts over the next six years, culminating in RFC 5880, which is titled "Bidirectional Forwarding Detection (BFD)" and published in June 2010 by Katz and Ward (both at Juniper Networks at the time).

17.   Related standards-track RFCs describing BFD functionality include RFC 5881,

which is titled "Bidirectional Forwarding Detection (BFD) for IPv4 and IPv6 (Single Hop)"

and published in June 2010 by Katz and Ward, and RFC 7331, which is titled " Bidirectional

Forwarding Detection (BFD) Management Information Base" and published in August 2014

by contributors from Cisco and Brocade Communications.

18.   As described in RFC 5880, BFD is a standardized protocol used to provide low

overhead, short duration fault detection in the bidirectional path between two forwarding

engines (*e.g.*, routers), including interfaces, data link(s), and to the extent possible the

forwarding engines themselves.

19.   The following CLI commands in this litigation provide functionality relating to

the BFD standard (shown in chronological order based on Cisco's purported "earliest

document date" for each alleged command):

Disputed "Command"	Earliest Document Date	Additional Opinions
show bfd neighbors	December 22, 2003	"show" commands come from prior legacy CLIs, as discussed elsewhere in this Report. "BFD" and the term "neighbors" in a BFD context first appeared in IETF Internet Drafts entitled "Bidirectional Forwarding Detection" (June 2003–May 2004) For example, IETF Internet Draft ("Bidirectional Forwarding Detection") (June 2003) § 3 says: "Each system estimates how quickly it can send and receive BFD packets in order to come to an agreement with its neighbor about how rapidly

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		detection of failure will take place."
bfd all-interfaces	May 26, 2004	Constituent command keywords discussed elsewhere in this table and section. "Interfaces" (as well as "interface") is used in this command and other disputed commands in its customary meaning to CLI users in the networking industry--namely, in reference to the different types of interfaces than can be supported by the switch.
neighbor fall-over bfd	June 10, 2005	"neighbor" in this context is a BGP, RFC 1105 (June 1989) introduced and discussed the the concept of a BGP "neighbor" in Section 4 ("BGP_Idle state: … In this state BGP refuses all incoming BGP connections. No resources are allocated to the BGP neighbor."). RFC 1164 (June 1990) further discussed "BGP Neighbor Relationships" and used the term "neighbor" in the BGP context throughout.

D.   Border Gateway Protocol ("BGP")

20.   Border Gateway Protocol, or BGP, is described in RFC 1105, which is titled "A Border Gateway Protocol (BGP)" and was published in June 1989. Kirk Lougheed from Cisco Systems and Yakov Rekhter from IBM's T.J. Watson Research Center are identified on RFC 1105 as authors. The current version of BGP is version 4, which is described in RFC

4271 (a standards-track RFC), entitled "A Border Gateway Protocol 4 (BGP-4)" and published in January 2006. RFC 4271 lists Mr. Rekhter (of Juniper Networks at the time), Anthony Li, and Susan Hares (of NextHop Technologies at the time) as editors. RFC 4271 is based on RFC 1771, which also described BGP version 4. RFC 1771 was published in March 1995, shared the same title as RFC 4271, and listed Mr. Rekhter (of IBM at the time) and Mr. Li (of Cisco at the time) as editors.

21.   There are many other RFCs that describe BGP functionality, including:

○   RFC 1163 (June 1990), entitled "A Border Gateway Protocol (BGP)"

○   RFC 1164 (June 1990), entitled "Application of the Border Gateway Protocol in the Internet"

○   RFC 1267 (Oct. 1991), entitled "A Border Gateway Protocol 3 (BGP-3)"

○   RFC 1268 (Oct. 1991), entitled "Application of the Border Gateway Protocol in the Internet"

○   RFC 1269 (Oct. 1991), entitled "Definitions of Managed Objects for the Border Gateway Protocol (Version 3)"

○   RFC 1397 (Jan. 1993), entitled "Default Route Advertisement in BGP2 and BGP3 Versions of the Border Gateway Protocol"

○   RFC 1654 (July 1994), entitled "A Border Gateway Protocol 4 (BGP-4)"

○   RFC 1655 (July 1994), entitled "Application of the Border Gateway Protocol in the Internet"

- ○ RFC 1657 (July 1994), entitled "Definitions of Managed Objects for the Fourth Version of the Border Gateway Protocol (BGP-4) using SMIv2"

- ○ RFC 1771 (Mar. 1995), entitled "A Border Gateway Protocol 4 (BGP-4)"

- ○ RFC 1965 (June 1996), entitled "Autonomous System Confederations for BGP"

- ○ RFC 1966 (June 1996), entitled "BGP Route Reflection - An Alternative to Full Mesh IBGP"

- ○ RFC 1997 (Aug. 1996), entitled "BGP Communities Attribute"

- ○ RFC 1998 (Aug. 1996), entitled "An Application of the BGP Community Attribute in Multi-home Routing"

- ○ RFC 2283 (Feb. 1998), entitled "Multiprotocol Extensions for BGP-4"

- ○ RFC 2385 (Aug. 1998), entitled "Protection of BGP Sessions via the TCP MD5 Signature Option"

- ○ RFC 2535 (Mar. 1999), entitled "Use of BGP-4 Multiprotocol Extensions for IPv6 Inter-Domain Routing"

- ○ RFC 2796 (Apr. 2000), entitled "BGP Route Reflection - An Alternative to Full Mesh IBGP"

- ○ RFC 2858 (June 2000), entitled "Multiprotocol Extensions for BGP-4"

- ○ RFC 2918 (Sept. 2000), entitled "Route Refresh Capability for BGP-4"

- ○ RFC 3065 (Feb. 2001), entitled "Autonomous System Confederations

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for BGP"

○ RFC 4098 (June 2005), entitled "Terminology for Benchmarking BGP
Device Convergence in the Control Plane"

○ RFC 4271 (Jan. 2006), entitled "A Border Gateway Protocol 4
(BGP-4)"

○ RFC 4360 (Feb. 2006), entitled "BGP Extended Communities
Attribute"

○ RFC 4273 (Jan. 2006), entitled "Definitions of Managed Objects for
BGP-4"

○ RFC 4456 (Apr. 2006), entitled "BGP Route Reflection: An Alternative
to Full Mesh Internal BGP (IBGP)"

○ RFC 4760 (Jan. 2007), entitled "Multiprotocol Extensions for BGP-4"

○ RFC 5065 (Aug. 2007), entitled "Autonomous System Confederations
for BGP"

22.   BGP is an exterior gateway protocol that is used to provide routing information
between Internet routing domains (or between different Autonomous Systems, or ASs). It is
also referred to as an inter-autonomous system routing protocol. The IANA maintains a list of
BGP parameters at http://www.iana.org/assignments/bgp-parameters/bgp-parameters.xhtml.

23.   The following CLI commands in this litigation provide functionality relating to
the BGP standard (shown in chronological order based on Cisco's purported "earliest
document date" for each alleged command):

Disputed "Command"	Earliest Document Date	Additional Opinions

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"BGP" first appears in RFC 1105 (June 1989); several other RFCs discussing BGP followed in the early 1990s before the "earliest document dates" below.		
neighbor weight	September 14, 1989	RFC 1268 (Oct. 1991) described the assignment of "weights" to Autonomous Systems in Section 6. RFC 1164 (June 1990) further discussed "BGP Neighbor Relationships" and used the term "neighbor" in the BGP context throughout.
router bgp	September 14, 1989	BGP can be implemented on a router. The use of "router" as a first command keyword is used throughout the industry by networking equipment vendors, as shown in this Report.
show ip bgp summary	March 9, 1992	"show" commands come from prior legacy CLIs, as discussed elsewhere in this Report. "IP" was described in RFC 791 (1981), as discussed elsewhere in this Report. The "summary" command keyword is commonly used by networking vendors to provide a summarized display of information. The use of the "summary keyword" and this particular command is covered elsewhere in this Report.
neighbor update-source	March 9, 1992	RFC 1105 (June 1989) introduced and discussed the the concept of a BGP "neighbor" in Section 4

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		("BGP_Idle state: … In this state BGP refuses all incoming BGP connections. No resources are allocated to the BGP neighbor."). The same RFC also describes "UPDATE" messages in Section 5.
neighbor route-map	January 27, 1993	Constituent command keywords discussed elsewhere in this table and section.
neighbor ebgp-multihop	April 16, 1993	Constituent command keywords discussed elsewhere in this table and section.
show ip bgp regexp	May 10, 1993	Constituent command keywords discussed elsewhere in this table and section.
neighbor next-hop-self	September 24, 1993	"next hop" is a well-known networking term that typically refers to the next router that a data packet should be sent to. In this context, RFC 4271 § 5.1.3 ("NEXT_HOP") states: "The NEXT_HOP is a well-known mandatory attribute that defines the IP address of the router that SHOULD be used as the next hop to the destinations listed in the UPDATE message."
ip as-path access-list	October 7, 1993	RFC 1267 (Oct. 1991) describes "paths" in the BGP context in Section 5. RFC 1652 (July 1994) and RFC 1771 (Mar. 1995) both describe "AS paths" in the BGP context.

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aggregate-address	December 2, 1993	RFC 1519 (Sept. 1993) discusses an address assignment and aggregation strategy, noting "rather than advertise a separate route for each such client, the transit domain may advertise a single aggregate route which describes all of the destinations connected to it."
clear ip bgp	1993	"clear" commands come from prior legacy CLIs, as discussed elsewhere in this Report.
distance bgp	1993	Constituent command keywords discussed elsewhere in this table and section.
timers bgp	1993	RFC 1105 (June 1989) introduced the use of BPG "keepalive" and "holdtime" timers in Sections 3.1, 4, and Appendix 1. RFC 1771 (Mar. 1995) includes a more detailed discussion of "BGP Timers" in Section 6.4.
show ip bgp	1993	Constituent command keywords discussed elsewhere in this table and section.
show ip bgp paths	1993	RFC 1267 (Oct. 1991) describes "paths" in the BGP context in Section 5. RFC 1652 (July 1994) and RFC 1771 (Mar. 1995) both describe "AS paths" in the BGP context.
bgp redistribute internal	March 9, 1994	RFC 1771 (Mar. 1995) discusses the re-distribution of routing information within an autonomous system in

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		Section 9.2.1.
show ip bgp community	December 16, 1994	Constituent command keywords discussed elsewhere in this table and section.
bgp confederation identifier	February 16, 1995	RFC 1965 (June 1996) (earliest draft is March 1996) discusses "autonomous system confederations for BGP" and the term "AS Confederation Identifier" is defined under "Terms and Definitions".
bgp confederation peers	February 16, 1995	RFC 1965 (June 1996) (earliest draft is March 1996) discusses "peers" in relation to AS confederations in the BGP context (see Abstract and Operation sections).
neighbor send-community	March 1, 1995	Constituent command keywords discussed elsewhere in this table and section.
ip community-list expanded	April 13, 1995	RFC 1997 (Aug. 1996) (first draft in April 1996) is entitled "BGP Communities Attribute" and discusses, in its terms and definitions, BGP communities and "communities listed in the [communities] attribute."
ip community-list standard	April 13, 1995	Constituent command keywords discussed elsewhere in this table and section.
bgp cluster-id	June 30, 1995	RFC 1966 (June 1996) (earliest draft Apr. 1996) discusses "clusters" and a "CLUSTER_ID" in the context of BGP in Section 6.
show ip community-list	July 1, 1995	Constituent command keywords

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		discussed elsewhere in this table and section.
neighbor route-reflector-client	July 1, 1995	RFC 1966 (June 1996) (earliest draft Apr. 1996) discusses "route reflection" in the context of BGP. "Client" and "non-client" peers are discussed in this RFC in Section 4.
neighbor password	July 1, 1995	RFC 2385 (Aug. 1998) discusses the use of a password for protection of BGP sessions in Sections 1 and 2.
neighbor peer-group (assigning members)	July 1, 1995	Constituent command keywords discussed elsewhere in this table and section.
neighbor peer-group (creating)	July 1, 1995	Constituent command keywords discussed elsewhere in this table and section.
show ip bgp peer-group	July 1, 1995	Constituent command keywords discussed elsewhere in this table and section.
maximum-paths	July 1, 1995	RFC 1267 (Oct. 1991) describes "paths" in the BGP context.
neighbor default-originate	July 7, 1995	RFC 1397 (Jan. 1993) describes default route advertisement capability in Section 2.
bgp client-to-client reflection	July 12, 1995	RFC 1966 (June 1996) (earliest draft Apr. 1996) discusses "route reflection" in the context of BGP. "Client" and "non-client" peers are discussed in this RFC in Section 4.
neighbor soft-reconfiguration	October 1996	RFC 2918 (Sept. 2000) discusses "a commonly used approach, known as 'soft-reconfiguration'" with respect

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		to BGP in Section 1.
neighbor remove-private-as	July 30, 1996	Constituent command keywords discussed elsewhere in this table and section.
neighbor description	September 29, 1997	"Description" is an informational field that can be associated with not only protocols but also with interfaces, access control lists and several other network device configurable features. Several vendors use this command keyword for this purpose. *See, e.g.* Juniper JUNOSe CLI ("ip description"; "neighbor description"; "path description"; "ipv6 description"; and "vlan description" commands); Brocade CLI ("neighbor description"); Dell CLI ("neighbor description").[2]
neighbor timers	November 17, 1997	RFC 1105 (June 1989) introduced the use of BPG "keepalive" and "holdtime" timers in Sections 3.1, 4, and Appendix 1. RFC 1771 (Mar. 1995) includes a more detailed discussion of "BGP Timers" in Section 6.4.
address-family	March 1, 1998	RFC 1700 (Oct. 1994) ("Address Family") defines "address family" and RFC 2283 (Feb. 1998) defines extensions to BGP, and discusses "Address Family" in Section 3.
neighbor shutdown	May 28, 1998	"shutdown" is a feature disablement

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[2] Several other vendors also support this CLI command. An analysis of disputed CLI commands supported by other networking vendors is presented separately in this Report, and is intended to complement this analysis.

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		keyword used amongst several network equipment vendors to stop the operation of a service, or the deactivation of an interface.
bgp log-neighbor-changes	May 29, 1998	Constituent command keywords discussed elsewhere in this table and section.
neighbor activate	September 30, 1998	Constituent command keywords discussed elsewhere in this table and section.
neighbor local-as	April 29, 1999	RFC 1269 (Oct. 1991) in Section 5 defines an object "bgpLocalAs."
neighbor remote-as	March 11, 1999	
show ip extcommunity-list	September 22, 1999	RFC 4360 (Feb. 2006) (earliest draft Jan. 2002) is entitled "BGP Extended Communities Attribute" and describes the "Extended Communities" attribute in Section 2.
neighbor allowas-in	September 28, 1999	Constituent command keywords discussed elsewhere in this table and section.
ip extcommunity-list expanded	March 30, 2000	Constituent command keywords discussed elsewhere in this table and section.
ip extcommunity-list standard	March 30, 2000	Constituent command keywords discussed elsewhere in this table and section.
neighbor transport connection-mode	February 19, 2004	RFC 1771 (Mar. 1995) discusses BGP's use of TCP as a transport protocol in Section 2. RFC 4271 (Jan. 2006) discusses the different states of a connection being "active"

		and "passive" in Section 8.2.1.
show ipv6 bgp community	April 29, 2005	RFC 2460 (Dec. 1998) specifies the Internet Protocol, Version 6 (IPv6), and RFC 2545 (Mar. 1999) discusses the application of BGP to IPv6.
show ipv6 bgp neighbors	April 29, 2005	Constituent command keywords discussed elsewhere in this table and section.
show ipv6 bgp summary	April 29, 2005	Constituent command keywords discussed elsewhere in this table and section.
show ipv6 bgp	December 22, 2005	Constituent command keywords discussed elsewhere in this table and section.
bgp listen limit	February 12, 2007	RFC 1771 (Mar. 1995) discusses the concept of a limiting for connections from BGP peers in Section 8.

E.   **Domain Name System ("DNS")**

24.   The Domain Name System, or DNS, is a distributed database containing host name and IP address information for all domains on the Internet. There is a single authoritative name server for every domain that contains all DNS-related information about the domain, and each domain also has at least one secondary name server that also contains a copy of this information.

25.   The concepts, structure, and delegation of the DNS are described in several RFCs, including RFC 1034 and RFC 1591, while domain names and domain name servers are described in several early RFCs, including RFCs 883 and 1035 (both entitled "DOMAIN

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NAMES - IMPLEMENTATION AND SPECIFICATION").

26.   The following CLI commands in this litigation provide functionality relating to

DNS and related concepts (shown in chronological order based on Cisco's purported "earliest

document date" for each alleged command):

Disputed "Command"	Earliest Document Date	Additional Opinions
ip name-server	September 14, 1989	"ip" was described in RFC 791 (1981), as discussed elsewhere in this Report. RFC 796 ("The NIC Name Server--A Datagram Based Information Utility") (July 1979) describes "name servers" and RFC 883 ("Domain Names - Implementation and Specification") (Nov. 1983) specifically discusses "the implementation of domain name servers and resolvers."
ip domain-name	1993	RFC 883 ("Domain Names - Implementation and Specification") (Nov. 1983) specifically discusses domain names.
ip domain lookup	1993	RFC 1035 ("Domain Names - Implementation and Specification") (Nov. 1987) uses the common industry terms "look up" and "looks up" to describe the process.

F.   Dynamic Host Configuration Protocol ("DHCP")

27.   Dynamic Host Configuration Protocol, or DHCP, is described in RFC 2131,

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which is titled "Dynamic Host Configuration Protocol" and was published in March 1997 by

R. Droms from Bucknell University. Earlier versions of DCHP are described in RFC 1531

and 1541, both of which were published in October 1993 by Droms. The version of DHCP

described in RFC 2131 is the version that became the standard for IP version 4 networks.

28.   As RFC 2131 states, DHCP provides a framework for passing configuration

information to hosts on a TCP/IP network. It is based on the Bootstrap Protocol (BOOTP),

adding the capability of automatic allocation of reusable network addresses and additional

configuration options. In other words, DHCP is used to dynamically assign IP addresses to

host systems.

29.   The following CLI commands in this litigation provide functionality relating to

the DHCP standard (shown in chronological order based on Cisco's purported "earliest

document date" for each alleged command):

Disputed "Command"	Earliest Document Date	Additional Opinions
Both RFC 1531 and RFC 2131, which use the term "DHCP" and describe it, were published before the "earliest document dates" below.		
ip helper-address	April 24, 1989	"ip" was described in RFC 791 (1981), as discussed elsewhere in this Report. The function performed by this command is equivalent to a broadcast packet repeater, as described for example in RFC 947 ("Multi-network Broadcasting within the Internet") (June 1985).
ip dhcp smart-relay	June 23, 2000	Smart-relay permits a router to modify the addressing of DHCP

		request relayed to a DHCP server by using an interface secondary IP address. RFC 3046, RFC 4243, and RFC 6607 each address DHCP Relay Agents.
ip dhcp snooping	April 29, 2002	The concept of snooping is well-known when it appeared in RFC 4541 (May 2006) in application to multicast. RFC 7513 in Section 6 specifically discusses the DHCP Snooping Process.
ip dhcp snooping information option	April 29, 2002	The term "information option" is used in RFCs 3046, 4243, and 6607 to describe "Relay Agent Information option". RFC 3315, section 22.17, addresses "Vendor-specific Information Option".
ip dhcp snooping vlan	April 29, 2002	Constituent command keywords already discussed, except for "vlan," which is discussed further below.
show ip dhcp snooping	April 29, 2002	"show" commands come from prior legacy CLIs, as discussed elsewhere in this Report. Remaining constituent command keywords are discussed elsewhere in this table and section.
show ip helper-address	June 28, 2002	Constituent command keywords discussed elsewhere in this table and section.
ipv6 dhcp relay	February 19, 2004	RFC 3315 at Section 5.3 describes:

destination		"The Relay-reply message may be relayed by other relay agents for delivery to the destination relay agent." Section 20 of RFC 3315 further explains "The relay agent MAY be configured to use a list of destination addresses."
ip dhcp smart-relay global	May 12, 2010	Constituent command keywords discussed elsewhere in this table and section.

G.   The Internet Control Message Protocol ("ICMP")

30.   The Internet Control Message Protocol, or ICMP, is described in RFC 792,

which is titled "INTERNET CONTROL MESSAGE PROTOCOL … DARPA INTERNET

PROGRAM PROTOCOL SPECIFICATION" and was published in September 1981 by J.

Postel at the Information Sciences Institute at the University of Southern California. RFC 792

obsoleted RFC 777, entitled "Internet Control Message Protocol" and published in April 1981

by Mr. Postel at ISI. ICMP is also discussed in RFC 1122, entitled "Requirements for Internet

Hosts -- Communication Layers" and published in October 1989.

31.   ICMP is is one of the protocols of the IP suite, is considered part of the IP

layer, and is used for error or diagnostic messages that a requested service is not available or

that a host or router could not be reached.

32.   The following CLI commands in this litigation provide functionality relating to

the ICMP standard (shown in chronological order based on Cisco's purported "earliest

document date" for each alleged command):

Disputed "Command"	Earliest Document Date	Additional Opinions

ip icmp redirect	January 6, 1999	"ip" was described in RFC 791 (1981), as discussed elsewhere in this Report.

H.   Internet Group Management Protocol ("IGMP")

33.   The Internet Group Management Protocol, or IGMP, is first mentioned in Section 3 of RFC 988, which is titled "Host Extensions for IP Multicasting" and was published in July 1986 by S. E. Deering at Stanford University. Version 1 of IGMP is described in the subsequently published RFC 1112, which as the same title as RFC 988, and was published in August 1989 by Deering at Stanford. This was followed by RFC 2236, a standards-track RFC entitled "Internet Group Management Protocol, Version 2" and published in November 1997 by W. Fenner of XEROX PARC, and RFC 3376, a standards-track RFC entitled "Internet Group Management Protocol, Version 3" and published in October 2002 by contributors from multiple vendors, including Cereva, Cisco, AT&T, and Ericsson.

34.   Additional IETF documents discuss IGMP functionality, including Internet Draft "IGMPv3 and IGMP Snooping switches," the first version of which was published in August 2001, as well as RFC 4541 (May 2006) and RFC 4604 (Aug. 2006). RFC 4604, entitled "Using Internet Group Management Protocol Version 3 (IGMPv3) and Multicast Listener Discovery Protocol Version 2 (MLDv2) for Source-Specific Multicast," updates the description of IGMP in RFC 3376.

35.   As described in RFC 3376, IGMP is the protocol used by IP (version 4) systems to report their IP multicast group memberships to neighboring multicast routers. IGMP is also used for other IP multicast management functions. By contrast, multicast

management on IPv6 networks is handled by Multicast Listener Discovery (MLD).

36.   I will also refer to the IETF Internet Draft "IGMPv3 and IGMP Snooping

switches" (which I will call the "IGMP Snooping Draft") published in August 2001, and

publicly available at https://tools.ietf.org/html/draft-ietf-idmr-snoop-00.

37.   The following CLI commands in this litigation provide functionality relating to

the IGMP standard (shown in chronological order based on Cisco's purported "earliest

document date" for each alleged command):

Disputed "Command"	Earliest Document Date	Additional Opinions
clear ip igmp group	1993	"clear" commands come from prior legacy CLIs, as discussed elsewhere in this Report. "ip" was described in RFC 791 (1981), as discussed elsewhere in this Report. RFC 988 (July 1986) first mentions IGMP and its use with IP, and also discusses "group membership" in Sections 3 and 8. RFC 1112 (Aug. 1989), which is IGMPv1, also discusses "IGMP group addresses" and "host groups" in Section 4 nad Appendix 1, and states that "like ICMP, IGMP is an integral part of IP."
ip igmp query-interval	June 24, 1994	RFC 2236 § 3 ("Protocol Description"): "Routers periodically [Query Interval] send a General Query on each attached network for which this router is the Querier, to solicit membership information."

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		NOTE: The brackets are part of the RFC.
show ip igmp groups	July 9, 1994	"show" commands come from prior legacy CLIs, as discussed elsewhere in this Report.
show ip igmp interface	July 9, 1994	RFC 988 (July 1986) discusses the "IP Service Interface" at Section 6.1
ip igmp query-max-response-time	March 1996	RFC 2236 (Nov. 1997) § 2.2 ("Max Response Time"): "The Max Response Time field is meaningful only in Membership Query messages, and specifies the maximum allowed time before sending a responding report in units of 1/10 second." Also, § 3 ("Protocol Description"): "A General Query is addressed to the all-systems multicast group (224.0.0.1), has a Group Address field of 0, and has a Max Response Time of [Query Response Interval]. … Each timer is set to a different random value, using the highest clock granularity available on the host, selected from the range (0, Max Response Time] with Max Response Time as specified in the Query packet." (the brackets are part of the RFC)
ip igmp version	March 1996	There are three versions of IGMP: Version 1 (RFC 1112), Version 2 (RFC 2236), and Version 3 (RFC 3376).

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ip igmp static-group	January 19, 1997	Constituent command keywords discussed elsewhere in this table and section.
ip igmp snooping	January 4, 1999	IGMP Snooping Draft § 1 ("Introduction"): "In recent years, a number of commercial vendors have introduced products described as 'IGMP snooping switches' to the market." RFC 4286 (Dec. 2005) and 4541 (May 2006) also address IGMP snooping.
ip igmp last-member-query-interval	May 17, 1999	RFC 2236 (Nov. 1997) § 3 ("Protocol Description"): "When a Querier receives a Leave Group message for a group that has group members on the reception interface, it sends [Last Member Query Count] Group-Specific Queries every [Last Member Query Interval] to the group being left. These Group-Specific Queries have their Max Response time set to [Last Member Query Interval]." (the brackets are part of the RFC)
ip igmp last-member-query-count	March 30, 2000	RFC 2236 (Nov. 1997) § 3 ("Protocol Description"): "When a Querier receives a Leave Group message for a group that has group members on the reception interface, it sends [Last Member Query Count] Group-Specific Queries every [Last Member Query Interval] to the group being left. These Group-Specific Queries have their Max Response time set to [Last Member Query Interval]." (the brackets are part of

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		the RFC)
ip igmp snooping vlan mrouter	August 2, 2000	RFC 2236 (Nov. 1997) § 2 ("Introduction"): "The Internet Group Management Protocol (IGMP) is used by IP hosts to report their multicast group memberships to any immediately- neighboring multicast routers." Also see RFC 1112 (Aug. 1989) § 2. "mrouter" is a common shorthand term for a multicast router, as used in RFC 2121 (see Section 5) and RFC 2191 (see Section 1). "vlan" is discussed further below in this Appendix.
ip igmp snooping vlan static	August 2, 2000	Constituent command keywords discussed elsewhere in this table and section, and "vlan" is discussed further below in this Appendix.
ip igmp snooping vlan	August 2, 2000	Constituent command keywords discussed elsewhere in this table and section, and "vlan" is discussed further below in this Appendix.
show ip igmp snooping	August 2, 2000	"show" commands come from prior legacy CLIs, as discussed elsewhere in this Report.
show ip igmp snooping mrouter	August 2, 2000	Constituent command keywords discussed elsewhere in this table and section.
ip igmp snooping vlan immediate-leave	September 11, 2000	RFC 2236 discusses a "leave group" event in Section 6 and "fast leave" in Section 10, and "vlan" is discussed

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		further below in this Appendix.
ip igmp snooping querier	December 20, 2001	RFC 1112 (Aug. 1989) discusses Host Membership Query messages, while RFC 2236 (Nov. 1997) uses the term "Querier" in the context of IGMP in Section 3.
show ip igmp snooping querier	February 27, 2003	Constituent command keywords discussed elsewhere in this table and section.
show ip igmp snooping groups	August 18, 2003	Constituent command keywords discussed elsewhere in this table and section.
ip igmp startup-query-count	February 11, 2008	RFC 2236 (Nov. 1997) § 3 ("Protocol Description"): "Routers periodically [Query Interval] send a General Query on each attached network for which this router is the Querier, to solicit membership information. On startup, a router SHOULD send [Startup Query Count] General Queries spaced closely together [Startup Query Interval] in order to quickly and reliably determine membership information." NOTE: The brackets are part of the RFC.
ip igmp startup-query-interval	February 11, 2008	RFC 2236 (Nov. 1997) § 3 ("Protocol Description"): "Routers periodically [Query Interval] send a General Query on each attached network for which this router is the Querier, to solicit membership information. On startup, a router

		SHOULD send [Startup Query Count] General Queries spaced closely together [Startup Query Interval] in order to quickly and reliably determine membership information." NOTE: The brackets are part of the RFC.

I.   Internet Protocol ("IP")

38.   Version 4 of the Internet Protocol, or IP, is described in RFC 791, which is titled "INTERNET PROTOCOL … DARPA INTERNET PROGRAM PROTOCOL SPECIFICATION" and was published in September 1981. RFC 791 indicates that it was prepared by the Information Sciences Institute at the University of Southern California. IP version 4 has been updated by several subsequent RFCs, including RFCs 1349, 2474, and 6864.

39.   IP provides services that are roughly equivalent to the OSI Network Layer, and provides a connectionless transport service across the network. While IP has the responsibility to route packets, the population of routing tables with routing information is handled by routing protocols. RIP, OSPF, IS-IS, and BGP, which are also described in this Appendix, are three routing protocols commonly associated with IP and the Internet. RIP, OSPF, and IS-IS are referred to as *interior* gateways protocols because they are primarily used to provide routing within a particular domain, such as within a corporate network or within an ISP's network. By contrast, BGP is an *exterior* gateway protocol because it is used to provide routing information between Internet routing domains.

40.   IP has been assigned several version numbers, which can be seen on the IANA

website at http://www.iana.org/assignments/version-numbers/version-numbers.xml. IP

versions 4 and 6 are the most relevant to this Report. I note that the IANA refers to IP version

4 by the keyword "IP" and IP version 6 by the keyword "IPv6."

41.   The official version of IP that has been in use since the early 1980s is version

4. The growth of the Internet in both scale and services, however, precipitated the

development of a newer version of IP. In late 1995, IP version 6, which is commonly known

as IPv6, entered the Internet Standards Track with the IETF. The primary description of IPv6

is contained in RFC 1883, which was published by the IETF in December 1995 by S. Deering

of XEROX Parc and R. Hinden of Ipsilon Networks, and was updated in several subsequent

RFCs, including RFC 2460, published in December 1998 by Deering and Hinden. RFC 2460

describes the present IPv6 standard.

42.   IPv6 is designed as an evolution from IPv4. Unlike IP version 4 addresses,

which are 32 bits in length, IPv6 addresses are 128 bits in length and are written and

organized much differently than IP version 4 addresses. For example, IPv6 has better support

for traffic types with different quality-of-service objectives, and extensions to support

authentication, data integrity, and data confidentiality. The architecture and structure of IPv6

addresses is described in RFC 2373.

43.   The following CLI commands in this litigation provide functionality relating to

the IP version 4 standard (shown in chronological order based on Cisco's purported "earliest

document date" for each alleged command). Note that many commands that include the

keyword "ip" may not be listed below (for example, "clear ip arp" and "clear ip bgp", among

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others), as they may be listed under and discussed in other sections of this Appendix.

However, all of these arguments apply equally to those commands, particularly with respect to

common command keywords:

Disputed "Command"	Earliest Document Date	Additional Opinions
RFC 791 published by the IETF in **1981**.		
ip address	April 24, 1989	RFC 791 (Sept. 1981) discusses IP, as well as addressing for IP throughout, including Section 2.3. "ip" is a well-known acronym for Internet Protocol, and was a well-known acronym before Cisco existed, as confirmed by Cisco engineers, including Kirk Lougheed, in his deposition. For example, the term "IP address" was used in RFCs 986 and 1069 (both titled "Guidelines for the use of Internet-IP addresses in the ISO Connectionless-Mode Network Protocol") published in June 1986 and Feb. 1989.
ip routing	April 24, 1989	"Routing" as used in this context is in its familiar meaning to networking users of the CLI. RFC 791 (Sept. 1981) uses "routing" in Section 1.4 in the same way: "The selection of a path for transmission is called routing." RFC 1213 (Mar. 1991) ("Management Information Base for

		Network Management of TCP/IP-based internets: MIB-II") also discusses the "IP routing table."
show ip route	April 24, 1989	"show" commands come from prior legacy CLIs, as discussed elsewhere in this Report. See discussion above regarding IP routing.
show ip interface	April 24, 1989	"interface" is used in the ordinary and customary meaning to the networking users of the CLI. RFC 791 (Sept. 1981) Section 1.3 addresses "Interfaces" for the IP protocol. RFC 1213 (Mar. 1991) ("Management Information Base for Network Management of TCP/IP-based internets: MIB-II") also uses the term "IP interface."
ip route	September 14, 1989	*See* discussion above regarding IP routing. This command is used to configure a static route. The term "route"--like "routing" discussed above--is a well known networking term broadly used in this context for CLI commands by many vendors.
ip host	November 7, 1989	The term "host" in the IP context is customary, and the term is used throughout RFC 791 (Sept. 1981).
show ip interface brief	October 31, 1993	*See above discussion*. The use of the term "brief"is used by many vendors in CLI commands to view a

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		summary of the router interfaces. This particular command is used by many vendors in the industry.
ip load-sharing	January 19, 1996	This command in Arista switches provides the hash seed to an algorithm that the switch uses to distribute data streams among multiple equal-cost routes to an individual IPv4 subnet. The term "load sharing" describes sharing the load among the data paths. This descriptive command is used by several vendors.
ip access-group	February 28, 1996	The "access-group" and "access-list" family of commands relate to the well-known networking industry use of Access Control Lists. *See* RFC 1983 (Aug. 1996) and RFC 1392 (Jan. 1993) (both entitled "Internet Glossary," and both describing ACLs). Per RFC 1392, "An Access Control List is the usual means by which access to, and denial of, services is controlled. It is simply a list of the services available, each with a list of the hosts permitted to use the service." The ip access-group command in Arista switches applies an IPv4 or standard IPv4 access control list (ACL) to the control plane.
ip access-list	October 1996	*See* discussion of Access Control List above. This command places

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		the switch in ACL configuration mode, which is a group change mode that modifies an IPv4 access control list.
ip access-list standard	October 1996	*See* discussion of Access Control List above. The ip access-list standard command places the switch in std-ACL configuration mode, which is a group change mode that modifies a standard IPv4 access control list.
ip prefix-list	June 6, 1998	Prefix lists are used to filter routes for redistribution into OSPF, RIP, or BGP domains. Like the "access-list" family of commands, several vendors support the "prefix-list" family of commands.
ip http client source-interface	November 4, 2002	HTTP is the industry standard acronym for Hypertext Transfer Protocol. Version 1.1 was standardized in RFC 2068 in 1997, followed by RFC 2616 in 1999. This command specifies the source IP address for HTTP connections in Cisco devices. HTTP defines the term "client" in Section 1.3 ("Terminology") as "a program that establishes connections for the purpose of sending requests."
ip protocol	August 26, 2003	This command--at least in Arista's switches--specifies the IP protocol that the switch uses to send probe packet through the configuration

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		mode probe transmitter (either TCP or UDP). The functionality and use differs for Cisco devices, but the Cisco usage also appears to be to specify an IP protocol (albeit not for any configuration mode probe transmitter). That use of term "protocol" with respect to IP is customary.
show ip route summary	March 5, 2010	*See* discussion above.
show ip route tag	August 24, 2011	Term "route tag" refers to an optional information field that can be appended to a routing table entry. The use of a "route tag" is a familiar and long-used term that is used in a variety of routing contexts, including OSPF (RFC 1364, Sept. 1992, discussing "[t]he OSPF external route tag") and RIP (RFC 1723, Nov. 1994, discussing the "Route Tag" as additional information for RIP Version 2). The use of a "route tag" here in the IP context is being used in the same way.

44.   The following CLI commands in this litigation provide functionality relating to the IP version 6 standard (shown in chronological order based on Cisco's purported "earliest document date" for each alleged command). My opinions stated above for the IP version 4 commands apply equally here, particularly where (as several Cisco witnesses, including Abhay Roy confirmed) the "ip" command syntax was clearly copied for the "ipv6" command

syntax, and the only replacement was "ipv6" for "ip." Note that many commands that include

the keyword "ipv6" may not be listed below, as they may be listed under and discussed in

other sections of this Appendix (*e.g.*, "ipv6 nd" commands are discussed under the ND

section). However, all of these arguments apply equally to those commands, particularly with

respect to common command keywords:

Disputed "Command"	Earliest Document Date	Additional Opinions
RFC 1883 published by the IETF in 1995 describes the IPv6 standard. RFC 2460 (Dec. 1998) also specifies the Internet Protocol, Version 6 (IPv6).		
ipv6 access-list	May 14, 1997	*See* discussion for copied IP version 4 command above.
ipv6 address	May 14, 1997	*See* discussion for copied IP version 4 command above.
ipv6 enable	May 14, 1997	The "enable" keyword, used in this and other disputed commands, is a well-known legacy command word that was used by DEC products to do exactly what the word means--to enable functionality.
ipv6 host	May 14, 1997	*See* discussion for copied IP version 4 command above.
ipv6 route	May 14, 1997	*See* discussion for copied IP version 4 command above.
ipv6 unicast-routing	May 14, 1997	This command enables the forwarding of IPv6 unicast datagrams. SeveralRFCs discuss IPv6 and Unicast routng, including RFC 1887 ("An Architecture for IPv6 Unicast Address Allocation") (Dec. 1995), RFC 2073 ("An IPv6 Provider-Based Unicast Address

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		Format") (Jan. 1997), and IETF Internet Draft ("Dynamical routing (unicast and multicast) for the IPv6 protocol") (1997), https://tools.ietf.org/html/draft-fritsche-ipv6-multicast-00.
show ipv6 interface	May 14, 1997	*See* discussion for copied IP version 4 command above.
show ipv6 route	May 14, 1997	*See* discussion for copied IP version 4 command above.
show ipv6 route summary	May 14, 1997	*See* discussion for copied IP version 4 command above.
ipv6 prefix-list	February 4, 2000	*See* discussion for copied IP version 4 command above.
show ipv6 access-list	February 4, 2000	*See* discussion for copied IP version 4 command above.
show ipv6 route tag	February 4, 2000	*See* discussion for copied IP version 4 command above.
show ipv6 prefix-list	June 21, 2000	*See* discussion for copied IP version 4 command above.
ipv6 access-group	November 20, 2006	*See* discussion for copied IP version 4 command above.

J.   Intermediate System-to-Intermediate System ("IS-IS") Protocol

45.   Intermediate System-to-Intermediate System, or IS-IS, is an interior gateway routing protocol for moving information within an Autonomous System, or AS. A description of an Autonomous System is found in RFC 1930, which describes an AS as the unit of routing policy in the modern world of exterior routing. For example, Border Gateway Protocol, or

BGP, which is an exterior gateway routing protocol, can also be described as an inter-Autonomous System routing protocol.

46.   The IS-IS protocol was defined in ISO/IEC 10589:1992 as an international standard within the Open Systems Interconnection (OSI) reference design. ISO/IEC 10589:1992 was first published in November 1992, and ISO/IEC:2002 was published in November 2002. Though originally an ISO standard, the IETF re-published the protocol in RFC 1142, titled "OSI IS-IS Intra-domain Routing Protocol" and published in February 1990 by Digital Equipment Corporation, or DEC. An extension of IS-IS to support the routing of datagrams in IP is described in RFC 1195, titled "Use of OSI IS-IS for Routing in TCP/IP and Dual Environments" and published in December 1990 by DEC.

47.   The following CLI commands in this litigation provide functionality relating to the IS-IS protocol (shown in chronological order based on Cisco's purported "earliest document date" for each alleged command):

Disputed "Command"	Earliest Document Date	Additional Opinions
isis hello-interval	March 9, 1992	The acronym "ISIS" appears in RFC 1142 (Feb. 1990) and RFC 1195 (Dec. 1990) (as well as the acronym "IS-IS"--both are used). These RFCs also disclose a Hello Timer and a Hello Rate.
isis metric	March 9, 1992	RFC 1142 (Feb. 1990) discusses "routing metrics" in Sections 6.8.1.1 and 7.2.6.
isis priority	March 9, 1992	RFC 1142 (Feb. 1990) discusses "priority" amongst intermediate systems in Sections 7.2.3 and 8.4.1.

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router isis	March 9, 1992	RFC 1195 (Dec. 1990) discusses different types of IS-IS routers, as does RFC 1142 at Section 1.1.
show isis database	June 14, 1992	"show" commands come from prior legacy CLIs, as discussed elsewhere in this Report. RFC 1142 (Feb. 1990) discusses a "Link State Database" in Section 6.8.1.1.
is-type	June 14, 1992	RFC 1142 (Feb. 1990) discusses "Type Bits" that indicate the type of Intermediate System—Level 1 or Level 2 in Section 9.8.
isis hello-multiplier	August 3, 1995	RFC 1142 (Feb. 1990) discloses a "holding multiplier" in connection with a "hello timer" in Section 7.5.1.
isis lsp-interval	May 7, 1996	RFC 1142 (Feb. 1990) discloses managed objects that refer to a minimum LSP transmission interval in Section 11.2.2. "LSP" stands for Link State Protocol Data Unit (see RFC 1142 § 4.2).
show isis topology	June 21, 1998	RFC 1142 (Feb. 1990) discusses "topology information" in Sections 3.6.9 and 6.2.
show isis interface	April 29, 2005	RFC 1195 (Dec. 1990) discusses ISIS "interfaces" in various sections, including Section 4.2.
isis passive	March 26, 2007	Constituent command keywords discussed elsewhere in this table and section.
isis passive-interface	November 7, 2012	Constituent command keywords

		discussed elsewhere in this table and section.

K.   Multicast Source Discovery Protocol ("MSDP")

48.   Multicast Source Discovery Protocol, MSDP, is described in RFC 3618, which is titled "Multicast Source Discovery Protocol (MSDP)" and was published as an Experimental RFC in October 2003. MSDP, however, was described in several IETF Internet Drafts in the late 1990s, including Internet Draft "Multicast Source Discovery Protocol (MSDP)" published in June 25, 1998 by multiple contributors, including Procket Networks, Cisco Systems, Sprint, UUnet (http://tools.ietf.org/id/draft-farinacci-msdp-00.txt) (I refer to this draft as the IETF MSDP 1998 Draft). Similarly, the first Internet Draft of RFC 3618 was published in December 1999 by the same contributors (https://tools.ietf.org/html/draft-ietf-msdp-spec-00) (I refer to this draft as the IETF MSDP Draft 1999).

49.   The following CLI commands in this litigation provide functionality relating to the MSDP standard (shown in chronological order based on Cisco's purported "earliest document date" for each alleged command):

Disputed "Command"	Earliest Document Date	Additional Opinions
clear ip msdp sa-cache	September 21, 1998	"clear" commands come from prior legacy CLIs, as discussed elsewhere in this Report. "ip" was described in RFC 791 (1981), as discussed elsewhere in this Report.

		The term "msdp" appeared in IETF MSDP Draft 1998 (June 1998) IETF MSDP Draft 1998 at Section 4 describes "Source-Active (SA)" messages and the ability to "cache SA state" at Section 4. Caching with respect to SAs is further discussed in IETF MSDP Draft 1999 at Sections 6, 6.1, and 6.1.3.
ip msdp cache-sa-state	September 21, 1998	IETF MSDP Draft 1998 describes the ability to "cache SA state" at Section 4.0. Caching with respect to SAs is further discussed in IETF MSDP Draft 1999 at Section 6.1.1..
ip msdp default-peer	September 21, 1998	IETF MSDP Draft 1999 discloses a "default-peer" at Section 9.1.
ip msdp originator-id	September 21, 1998	IETF MSDP Draft 1999 describes an "MSDP originator"
ip msdp peer	September 21, 1998	IETF MSDP Draft 1998 and 1999 both discuss MSDP "peers" at Sections 3.0 and 5, respectively.
ip msdp sa-filter in	September 21, 1998	IETF MSDP Draft 1999 discusses "SA Filtering" at Section 6.3. RFC 3618 also discusses "SA Filtering" at Sections 7 and 18.
ip msdp sa-filter out	September 21, 1998	*See immediately above.*
show ip msdp sa-cache	September 21, 1998	"show" commands come from prior legacy CLIs, as discussed elsewhere

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		in this Report.
show ip msdp summary	September 21, 1998	As discussed elsewhere in this Appendix, the "summary" command is used by many vendors in conjunction with "show" commands to provide summary information.
show ip msdp peer	September 21, 1998	Constituent command keywords discussed elsewhere in this table and section.
ip msdp description	March 3, 1999	The "description" keyword is a commonly used command keyword, as described elsewhere in this Appendix. Constituent command keywords discussed elsewhere in this table and section.
ip msdp shutdown	March 3, 1999	As stated elsewhere in this Appendix, "shutdown" is a feature disablement keyword used amongst several network equipment vendors to stop the operation of a service, or the deactivation of an interface.
ip msdp mesh-group	December 13, 1999	RFP 3618 (Oct. 2003) discloses "MSDP mesh-groups." This term first appears in Internet Draft 06 (July 2000) for RFC 3618 at Section 14.3.
ip msdp sa-limit	January 22, 2001	Limits on SAs are discussed in RFP 3618 (Oct. 2003), Section 18.
ip msdp keepalive	June 27, 2001	IETF MSDP Draft 1999 at Section 6.1.4 discloses a "KeepAlive" timer.
ip msdp timer	July 6, 2001	IETF MSDP Draft 1999 discusses

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		MSDP "timers" at Section 6.1.
show ip msdp rpf-peer	April 11, 2003	RFP 3618 (Oct. 2003) discloses and expressly defines an "RPF peer" at Section 3.
ip msdp group-limit	April 29, 2005	Limits on groups are discussed in RFP 3618 (Oct. 2003), Section 18.
show ip msdp mesh-group	October 14, 2007	Constituent command keywords discussed elsewhere in this table and section.

L.   **Neighbor Discovery ("ND") Protocol**

50.   Neighbor Discovery, or ND, is described in RFC 4861 (a standards-track document), which is titled "Neighbor Discovery for IP version 6 (IPv6)" and published in September 2007. RFC 4861 obsoleted several prior RFCs that were also entitled "Neighbor Discovery for IP version 6 (IPv6)," including RFC 1970 (which was published in August 1996), and RFC 2461 (which was published in December 1998).

51.   ND is a support protocol created for IPv6 to determine the link-layer addresses for neighbors known to reside on attached links and to quickly purge cached values that become invalid. Hosts also use ND to find neighboring routers that are willing to forward packets on their behalf. Finally, nodes use the protocol to actively keep track of which neighbors are reachable and which are not, and to detect changed link-layer addresses. When a router or the path to a router fails, a host actively searches for functioning alternates.

52.   The following CLI commands in this litigation provide functionality relating to the ND protocol (shown in chronological order based on Cisco's purported "earliest document

date" for each alleged command):

Disputed "Command"	Earliest Document Date	Additional Opinions
clear ipv6 neighbors	May 14, 1997	"clear" commands come from prior legacy CLIs, as discussed elsewhere in this Report. The term "ipv6" refers to IPv6, described in RFC 1883 (Dec 1995). Term "neighbors" refers to the information learned via ND protocol by a particular host and stored in local cache. This collection process is documented in the RFC 1970 (Aug 1996), in Section 5.1.
ipv6 nd managed-config-flag	May 14, 1997	The term "ipv6" refers to IPv6, described in RFC 1883 (Dec 1995). The term "nd" refers to Neighbor Discovery Protocol (ND), described in RFC 2461 (Dec. 1998), Section 1. The term "managed-config-flag" refers to the 8 bit field reserved for single-bit flags in ND's Router Advertisement (RA) Message, described in RFC 2461 (Dec. 1998) Section 6.2.3.
ipv6 nd ns-interval	May 14, 1997	The term "ns-interval" refers to the retransmission rate of Neighbor Solicitation (NS) messages, this retransmission timer variable is described in RFC 2461 (Dec 1998) as RetransTimer, in Section 7.2.2.
ipv6 nd other-config-flag	May 14, 1997	*See* above discussion of ipv6 nd managed-config-flag.

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ipv6 nd reachable-time	May 14, 1997	The term "reachable-time" refers one of the fields contained in every Router Advertisement message, as defined by RFC 2461 (Dec 1998), Section 4.2 ("Reachable Time").
ipv6 nd ra interval	February 4, 2000	The term "ra" refers to the message Router Advertisement, as described in Section 3 of RFC 2461 (Dec. 1998). Other short forms of Router Advertisement can be observed in multiple variable definitions thru the standard. The term "interval" refers to the rate of advertisement of "ra" messages. The ND standard defines variables to control the periodicity of such messages, as described in RFC 2461 (Dec 1998), Section 6.2.6.
ipv6 nd ra lifetime	February 4, 2000	The term "ra" is explained immediately above. The term "lifetime" refers one of the fields contained in every Router Advertisement message, as described in RFC 2461 (Dec 1998), section 4.2 ("Router Lifetime" definition).
ipv6 nd prefix	April 29, 2002	The term "prefix" refers to some of the information parameters that the ND protocol can advertise on its messages. In this particular case the Router Advertisement (RA) has such functionality. The term "prefix" is used in its customary way in RFC 2461 (Dec 1998), Section 3.
ipv6 nd	May 12, 2004	The term "router-preference" refers

router-preference		to an optional extension to Router Advertisement messages for communicating routing information to hosts, as defined in RFC 4191 (Nov 2005), Section 2.2 ("Default Router Preference")
ipv6 nd ra suppress	November 4, 2004	The term "suppress" refers to the ability to disable "ra" responses selectively on a particular interface.

M.   Network Address Translation ("NAT")

53.   Network Address Translation, or NAT, is described in RFC 1631, which is titled "The IP Network Address Translator (NAT)" and was published in May 1994 by K. Egevang of Cray Communications and P. Francis of NTT. Subsequent RFCs further describe and/or update NAT, including for example RFC 3022. RFC 1631 is an Informational, rather than standards-track RFC, but NAT as described in RFC 1631 has been widely adopted and used across the industry.

54.   Generally speaking, NAT is an Internet standard that enables a LAN to use one set of IP addresses for internal traffic, and a different set of IP addresses for external traffic.

55.   The following CLI commands in this litigation provide functionality relating to the NAT protocol (shown in chronological order based on Cisco's purported "earliest document date" for each alleged command):

Disputed "Command"	Earliest Document Date	Additional Opinions
clear ip nat translation	April 9, 1996	"clear" commands come from prior legacy CLIs, as discussed elsewhere in this Report.

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		"ip" was described in RFC 791 (1981), as discussed elsewhere in this Report. RFC 1347 (June 1992) discusses NAT in the IP context. RFC 2663 at § 1 ("Introduction and Overview") also discusses translation associated with NAT.
ip nat pool	April 9, 1996	RFC 2663 (Aug. 1999) uses the term "pool" in its customary way to describe external addresses at Section 4.1.2.
ip nat translation tcp-timeout	April 9, 1996	RFC 2663 (Aug. 1999) discusses configuring session timeouts for TCP and UDP for NAT devices at Section 2.6. TCP is discussed further in this Appendix.
ip nat translation udp-timeout	April 9, 1996	*See immediately above.* UDP is discussed further in this Appendix.
show ip nat translations	April 9, 1996	"show" commands come from prior legacy CLIs, as discussed elsewhere in this Report.

N.   Network Time Protocol ("NTP")

56.   Network Time Protocol, or NTP, was first described in RFC 958, which was titled "Network Time Protocol (NTP)" and published in September 1985 by D.L. Mills from M/A-COM Linkabit. The IETF subsequently published several updates to the NTP standard,

including RFC 1059, entitled "Network Time Protocol (Version 1) Specification and

Implementation" in July 1988, RFC 1119, entitled "Network Time Protocol (Version 2)

Specification and Implementation" in September 1989, and RFC 1305, entitled "Network

Time Protocol (Version 3) Specification, Implementation and Analysis" in March 1992. The

current NTP standard is defined in RFC 5905, entitled "Network Time Protocol Version 4:

Protocol and Algorithms Specification" and published in June 2010.

57.   NTP is an Internet protocol used to synchronize the clocks of computers to a

time reference. Specifically, NTP is intended to synchronize all participating computers to

within a few milliseconds of Coordinated Universal Time (UTC). NTP provides standardized

network clock and synchronization functionality that is similar to the IEEE's Precision Time

Protocol, or PTP, discussed elsewhere in this Report.

58.   The following CLI commands in this litigation provide functionality relating to

the NTP standard (shown in chronological order based on Cisco's purported "earliest

document date" for each alleged command):

Disputed "Command"	Earliest Document Date	Additional Opinions
show ntp associations	December 29, 1992	"show" commands come from prior legacy CLIs, as discussed elsewhere in this Report. The term "ntp" refers to Network Time Protocol (NTP), described in RFC 958 (Sept. 1985) in Section 1. The term "associations" refers to the number of peers /clients /servers that a particular node is connected to via ntp protocol. The term is used

		several times in the RFC 1119 (Sep 1989), including in Section 3.5 and 3.2.6. The term "associations" is also defined as a standard MIB Object Type in RFC 5907 (June 2010).
show ntp status	January 9,1993	The term "status" refers ot the current operational parameters of the ntp server/client deamon. These parameters are mentioned in the RFC 1119 (Sep 1989) in Section 9.2. The term "status" is also defined as a standard MIB Object Type in RFC 5907 (June 2010) at Section 2 for NTP.
ntp source	August 5, 1993	Term "source" refers to the IP address used to send NTP messages to other peers / clients. Under normal operations the source IP address of an NTP message will default to the value assigned on the interface of the server itself, or to the IP address of the port closest to the peer /client when the server has more than one network adapter. "Source" however is a variable of the NTP message that could be modified and work independently of the address available at the IP layer. It is discussed in Sections 4 and 5.1 of RFC 958 (Sep 1985).
ntp server	October 7, 1993	Term "server" is used to define the name / IP address of a server that could be used to obtain ntp

		information from; the user of this command is typically an "ntp client". RFC 958 (Sept. 1985) § 3 ("Protocol Overview") discusses both "servers" and "clients."
ntp authenticate	December 1, 1993	The term "authenticate" refers to enabling or disabling the authentication feature of ntp as described in RFC 1119 (Sept. 1989) Section 3.2.3.
ntp authentication-key	December 1, 1993	The term "authentication-key" refers to the definition of the "key / passcode / password" to be used while authenticating with other ntp peers, as described in in RFC 1119 (Sept. 1989) at Sections 10 and 10.1.
ntp trusted-key	December 1, 1993	See immediately above. The term "trusted-key" refers to the selection of a specific authentication key that must be matched by an ntp source in order to consider a message as valid. NTP does support multiple types of keys.

O.   Open Shortest Path First ("OSPF")

59.   Open Shortest Path First, or OSPF, is described in RFC 1131, which is titled

"The OSPF Specification" and published in October 1989 by J. Moy of Proteon, Inc. Several

subsequent IETF documents followed, including RFC 1247, entitled OSPF Version 2, which

was published in July 1991 by Mr. Moy. OSPF Version 2 was further updated by RFC 1349,

entitled "Type of Service in the Internet Protocol Suite" and published in July 1992 by P.

Almquist, and RFC 1247 was obsoleted by RFC 1583 (also by Mr. Moy of Proteon, Inc.) in

March 1994. Mr. Moy published several more RFCs to update OSPF Version 2, including

RFC 2178 (July 1997) and RFC 2328 (Apr. 1998).

60.   OSPF for IPv6 is defined in several RFCs, including RFC 2740, which is titled

titled "OSPF for IPv6" and was published in December 1999, and RFC 5340, which had the

same title and was published in July 2008.

61.   OSPF is an interior gateway routing protocol, and more specifically, is a

link-state routing protocol. This means that OSPF sends what are called link-state

advertisements, or LSAs, to other routers within the same area ("area" being a term that is

defined by the OSPF protocol RFCs). OSPF routers used the link-state information in a

link-state database to calculate the shortest path to each node.

62.   Like RIP, which is also an interior gateway protocol, OSPF is designed to

facilitate intra-Autonomous System routing. OSPF, however, was created and designed to

scale and provide more robust support for larger Autonomous Systems by dividing each AS

into constructs called "areas." Each area is numbered and managed independently as if each

was its own AS. In other words, each OSPF "area" is akin to a "sub-AS" within the AS as a

whole. This division of an AS into areas by OSPF is referred to as a hierarchical topology.

63.   By using a hierarchical topology, the topology of each individual OSPF area is

hidden from the rest of the AS, which allows for a substantial decrease in routing traffic across

the entire AS. Moreover, by using OSPF in this fashion, routing within each area is

determined only by the area's own topology, thereby protecting each area from bad routing

data.

64.   In addition to the RFCs identified above, there are multiple additional RFCs

that describe OSPF functionality, including:

- ○   RFC 1245 (July 1991), entitled "OSPF Protocol Analysis"

- ○   RFC 1248 (July 1991), entitled "OSPF Version 2 Management

  Information Base"

- ○   RFC 1252 (Aug. 1991), entitled "OSPF Version 2 Management

  Information Base"

- ○   RFC 1253 (Aug. 1991), entitled "OSPF Version 2 Management

  Information Base"

- ○   RFC 1364 (Sept. 1992), entitled "BGP OSPF Interaction"

- ○   RFC 1370 (Oct. 1992), entitled "Applicability Statement for OSPF"

- ○   RFC 1403 (Jan. 1993), entitled "BGP OSPF Interaction"

- ○   RFC 1587 (Mar. 1994), entitled "The OSPF NSSA Option" (the first

  IETF Internet Draft of RFC 1587 was published in Oct. 1992)

- ○   RFC 1745 (Dec. 1994), entitled "BGP4/IDRP for IP"

- ○   RFC 1850 (Nov. 1995), entitled "OSPF Version 2 Management

  Information Base"

- ○   RFC 2991 (Nov. 2000), entitled "Multipath Issues in Unicast and

  Multicast Next-Hop Selection"

- ○   RFC 3101 (Jan. 2003), entitled "The OSPF Not-So-Stubby Area

  (NSSA) Option"

- ○   RFC 5709 (Oct. 2009), entitled "OSPFv2 HMAC-SHA Cryptographic

Authentication"

65.   The following CLI commands in this litigation provide functionality relating to

the OSPF protocol (versions 2 and 3) (shown in chronological order based on Cisco's

purported "earliest document date" for each alleged command):

Disputed "Command"	Earliest Document Date	Additional Opinions
default-metric	January 10, 1988	The term "default-metric" refers to the value that an external route should have as it is injected/redistributed into OSPF protocol. Metric is equivalent to the variable "cost" in ospf. This process of modifying the cost of an external route is documented in the RFC 1247 (July 1991) at Section 2.
passive-interface	April 24, 1989	Term "passive-interface" refers to the ability to selectively suppress the advertisement of ospf messages on any interface (while such interfaces are still considered part of the protocol operation)
ip ospf authentication-key	March 3, 1992	"ip" was described in RFC 791 (1981), as discussed elsewhere in this Report. The term "ospf" refers to the OSPFv2, described in RFC 1247 (July 1991) in Section 1.
ip ospf cost	March 3, 1992	The term "cost" refers to the metric / value assigned to each particular interface / network participating in the ospf process. Cost is defined in RFC 1247 (July 1991), Section 2.

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ip ospf dead-interval	March 3, 1992	The term "dead-interval" refers to "RouterDeadInterval" timer variable defined in RFC 1247 (July 1991), Section 9.
ip ospf hello-interval	March 3, 1992	The term "hello-interval" refers to "HelloInterval" timer variable defined in RFC 1247 (July 1991), Section 9.
ip ospf priority	March 3, 1992	The term "priority" refers to the value used by ospf on a per-interface basis to participate in DR/BDR election. This variable is defined in RFC 1247 (July 1991), Section 7.3.
ip ospf retransmit-interval	March 3, 1992	The term "retransmit-interval" refers to "RxmtInterval" timer variable defined in RFC 1247 (July 1991), Section 9.
ip ospf transmit-delay	March 3, 1992	The term "transmit-delay" refers to "InfTransDelay" timer variable defined in RFC 1247 (July 1991), Section 9.
area default-cost (OSPFv2)	March 9, 1992	The term "area" is expressly defined in RFC 1247 (July 1991) in Section 1.1: "OSPF allows sets of networks to be grouped together. Such a grouping is called an area." RFC 1247 at § 6 ("The Area Data Structure"): "StubDefaultCost … If the area has been configured as a stub area, and the router itself is an area border router, then the StubDefaultCost indicates the cost of the default summary link that the router should advertise into the area.

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		There can be a separate cost configured for each IP TOS. See Section 12.4.3 for more information."
router ospf (OSPFv2)	March 9, 1992	The syntax "router [protocol]" is common across multiple networking vendors, as shown in other portions of this Report.
default-information-originate (OSPFv2)	March 27, 1992	The term "default-information-originate" refers to the ability of an OSPF router to advertise a default route by itself if a local / external default route exists (i.e. not sourced by OSPF). This process is mentioned in the RFC 1247 (July 1991), in Section 2.2.
area range (OSPFv2)	June 14, 1992	The term "range" refers to the ability of an area border router to summarize routing information: multiple routes into a single advertisement. This process is mentioned in RFC 1247 (July 1991) in Sections 3.4 and 3.5, and the term "area range" is expressly used in Section 3.4.
area stub (OSPFv2)	June 14, 1992	The term "stub" refers to a particular type of ospf area, as expressly defined in RFC 1247 (July 1991) in Section 3.6.
ip ospf network	May 10, 1993	Term "network" refers to the type of layer 2 technology used on a particular interface where ospf runs. The type of layer 2 technology determines the operational mode of

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		ospf on such interface. OSPF defines a data structure to store this information on a per interface basis in RFC 1247 (July 1991), Sections 1.2, 2, and 9.
show ip ospf	May 10, 1993	RFC 1247 (July 1991) defines several data structures in Section 5 that store information about the ospf process; this particular command lists information contained in the Protocol Data Structures.
show ip ospf interface	May 10, 1993	Command displays information about OSPF operational information for a specific router interface. RFC 1247 (July 1991) in Section 9 defines several data structures that store information about the ospf process; this particular command lists information contained in the Interface Data Structures as well as Interface State variables.
show ip ospf neighbor	May 10, 1993	Term "neighbor" refers to other network devices participating in the OSPF protocol and some of their operational parameters. These neighbor parameters and their collection are defined in RFC 1247 (July 1991) Section D.2, and Section 10 ("The Neighbor Data Structure")
show ip ospf border-routers	November 23, 1993	This command displays information about internal routes in a border router. A border router is defined as a router that contains more than one

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		topological database in RFC 1247 (July 1991), Sections 3 and 3.3: "[3.3] Area border routers … A router that attaches to multiple areas. Area border routers run multiple copies of the basic algorithm, one copy for each attached area and an additional copy for the backbone. Area border routers condense the topological information of their attached areas for distribution to the backbone. The backbone in turn distributes the information to the other areas."
network area (OSPFv2)	1993	The term "network" refers to the definition of the subnet and area where ospf will be enabled. Multiple subnets can be part of the same area. The process of associating subnets to areas is an essential step in ospf configuration. This is defined in multiple sections of RFC 1247 (July 1991), including Sections 1.1 and 3.5.
show ip ospf database database-summary	November 11, 1994	This command displays information about LSA database for a specific router. The term "database" refers to the list of LSA's exchanged by OSPF routers. The term" database-summary" refers to a particular subset of LSA's defined as the "Database Summary List" in RFC 1247 (July 1991), Section 10.

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show ip ospf retransmission-list	November 11, 1994	The term "retransmission-list" refers to a particular subset of LSA's defined as "Link state retransmission list" in RFC 1247 (July 1991), Section 10.
show ip ospf request-list	November 12, 1994	Term "request-list" refers to a particular subset of LSA's defined as "Link state request list" in RFC 1247 (July 1991), Section 10.
ip ospf message-digest-key	July 1, 1995	The term "message-digest-key" enables the utilization of MD5 authentication in ospf interfaces. Interface based authentication is a documented variable in RFC 1247 (July 1991), Sections 9 and E.
ip ospf name-lookup	July 1, 1995	Term "name-lookup" refers to the use of DNS FQD information by other ospf commands (*i.e.* instead of listing ospf nodes by IP address, use their DNS name instead).
maximum-paths (OSPFv2)	July 1, 1995	The term "maximum-paths" refers to the limit of equal cost paths that can be used simultaneously by the protocol to reach a particular destination. RFC 1247 (July 1991) considers the multi-path option for its calculations, as shown in Sections 1.1 and 2.3.
clear ip ospf neighbor	March 1996	Constituent command keywords discussed elsewhere in this table and section.
area nssa (OSPFv2)	April 5, 1996	RFC 1587 (Internet Draft Draft 00) (Oct. 1992) at Abstract: "This

		document describes a new optional type of OSPF area, some-what humorously referred to as a 'not-so-stubby' area (or NSSA). NSSAs are similar to the existing OSPF stub area configuration option but have the additional capability of importing AS external routes in a limited fashion."
area nssa default-information-originate	April 5, 1996	Term "default-information-originate refers to the ability of an ospf "border router" to generate a default route while participating in an nssa area. This parameter is part of the operation of an ospf "nssa", and it is described in the RFC 1587 (Mar 1994) in Section 2.2.
area nssa no-summary	September 16, 1996	Term "no-summary" refers to a type of ospf LSA/update "type-3" which should not be propagated within an nssa area. This condition is mentioned in the RFC 1587 (Mar 1994) at Section 3.4.
show ipv6 neighbors	May 14, 1997	"show" commands come from prior legacy CLIs, as discussed elsewhere in this Report. The term "ipv6" refers to IPv6, described in RFC 1883 (Dec 1995).
log-adjacency-changes	October 12, 1998	The term "log-adjacency-changes" refers to the ability of a ospf router to display or store changes in the router adjacency process (i.e. intitial discovery and handshake)
router-id	November 2, 1998	The term "router-id" refers to

		"Router ID" variable defined in RFC 1247 (July 1991), Section 1.2.
ipv6 router ospf	February 4, 2000	The term "ospf" refers to OSPFv3, described in RFC 2740 (Dec 1999). The term "router" enables the operation of OSPF version 3 protocol. RFC 2740 uses the term "router" multiple times to describe the platform that is running such routing protocol.
ip ospf authentication	March 2, 2000	The term "authentication" refers to the type of security used by ospf to exchange information with other neighbors (such as a key/ password protected framework), as defined in the RFC 1247 (July 1991), Section 6.
show ipv6 ospf	June 4, 2001	Constituent command keywords discussed elsewhere in this table and section.
show ipv6 ospf border-routers	August 31, 2001	Constituent command keywords discussed elsewhere in this table and section.
show ipv6 ospf interface	August 31, 2001	Constituent command keywords discussed elsewhere in this table and section.
show ipv6 ospf neighbor	August 31, 2001	Constituent command keywords discussed elsewhere in this table and section.
ipv6 ospf area	August 31, 2001	As stated in RFC 2740 (Dec 1999) (see Abstract), ospf for ipv6 (also called ospf version 3) retains the fundamental mechanisms of ospf as

		already discussed for ospf for IP version 4. The explanations for terms like "area," "cost," and other defined ospf terms for ospf version 2 remain the same for ospf version 3.
ipv6 ospf cost	August 31, 2001	Constituent command keywords discussed elsewhere in this table and section.
ipv6 ospf dead-interval	August 31, 2001	Constituent command keywords discussed elsewhere in this table and section.
ipv6 ospf hello-interval	August 31, 2001	Constituent command keywords discussed elsewhere in this table and section.
ipv6 ospf network	August 31, 2001	The term "network" permits the definition of network-type field for ospfv3 on a particular interface.
ipv6 ospf priority	August 31, 2001	Constituent command keywords discussed elsewhere in this table and section.
ipv6 ospf retransmit-interval	August 31, 2001	Constituent command keywords discussed elsewhere in this table and section.
ipv6 ospf transmit-delay	August 31, 2001	Constituent command keywords discussed elsewhere in this table and section.
maximum-paths (OSPFv3)	August 31, 2001	RFC 2740 (Dec 1999) at Abstract: "All of OSPF for IPv4's optional capabilities, including on-demand circuit support, NSSA areas, and the multicast extensions to OSPF

		(MOSPF) are also supported in OSPF for IPv6."
passive-interface (OSPFv3)	August 31, 2001	Constituent command keywords discussed elsewhere in this table and section.
timers throttle spf	March 27, 2002	Constituent command keywords discussed elsewhere in this table and section. "SPF" is a well known industry acronym for "shortest path first" (same as the "SPF" portion of "OSPF"). SPF calculations occur at the interval set by this command.
ipv6 neighbor	April 9, 2002	Constituent command keywords discussed elsewhere in this table and section.
default-information originate (OSPFv3)	June 25, 2002	Constituent command keywords discussed elsewhere in this table and section.
area default-cost (OSPFv3)	June 25, 2002	Constituent command keywords discussed elsewhere in this table and section.
default-metric (OSPFv3)	June 25, 2002	Constituent command keywords discussed elsewhere in this table and section.
clear ipv6 ospf force-spf	October 9, 2002	Term "force-spf" refers to the ability to trigger an immediate recalculation of the spf algorithm
timers lsa arrival	December 11, 2002	LSA is a known acronym for "link state advertisement." Constituent command keywords discussed elsewhere in this table and section. This command controls the

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		minimum interval for accepting the same LSA.
timers throttle lsa all	December 11, 2002	Constituent command keywords discussed elsewhere in this table and section. This command controls the generation (sending) of LSAs.
area nssa translate type7 always (OSPFv2)	March 17, 2003	The term "translate type-7" refers to the process taken by an ospf nssa border router to convert one type of LSA into another. This process is defined in RFC 1587 (Mar 1994) at Section 2.2. The term "always" defines that such translation should happen at all times, equivalent to an enable/disable action.
area nssa translate type7 always (OSPFv3)	March 17, 2003	Constituent command keywords discussed elsewhere in this table and section.
ip ospf bfd	May 1, 2004	Term "bfd" refers to Bidirectional Forwarding Detection, defined in RFC 5880 (June 2010).
area nssa (OSPFv3)	November 7, 2005	Constituent command keywords discussed elsewhere in this table and section.
area nssa default-information-originate (OSPFv3)	November 7, 2005	Constituent command keywords discussed elsewhere in this table and section.
area range (OSPFv3)	November 7, 2005	Constituent command keywords discussed elsewhere in this table and section.
area stub (OSPFv3)	November 7, 2005	Constituent command keywords discussed elsewhere in this table and section.

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ip ospf shutdown	September 19, 2006	Constituent command keywords discussed elsewhere in this table and section. As discussed elsewhere in this Appendix, "shutdown" is a feature disablement keyword used amongst several network equipment vendors to stop the operation of a service, or the deactivation of an interface.
router-id (OSPFv3)	July 25, 2011	RFC 2740 OSPF for IPv6 (Dec 1999), does not modify value / function of this variable. It operates as a regular OSPF version 2 parameter, per Section 2.2 of RFC 2740.

P.   Protocol Independent Multicast ("PIM")

66.   Protocol Independent Multicast, or PIM, was created in the 1994 to 1995 time period, but the first version (version 1) of the PIM protocols were not standardized by the IETF. The earliest cited publication for PIM in the IETF Internet Drafts is March 1994.[3] PIM is a collection of multicast routing protocols, each optimized for a different environment. There are two main PIM protocols: (1) PIM Sparse Mode ("PIM-SM") and (2) PIM Dense Mode ("PIM-DM"). A third PIM protocol, Bidirectional PIM, is described in RFC 5015. All PIM protocols share a common control message format.

67.   Multicast itself has been discussed in IETF RFCs and has been term known ot the networking industry since at least December 1985, in RFC 966 ("Host Groups: A

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[3] The IETF Internet Draft for PIM version 2 (RFC 2117) (specifically, the Internet Draft of PIM-SM Specification available at https://tools.ietf.org/html/draft-ietf-idmr-pim-sm-spec-00) cites as References several publications by the authors of the RFC, including S. Deering, D. Estrin, D. Farinacci, and V. Jacobson, *Protocol independent multicast (pim), dense mode protocol : Specification*, Internet Draft, March 1994.

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Multicast Extension to the Internet Protocol"). Other multicast-related RFCs were also published in the 1980s. *See, e.g.* RFC 1075 ("Distance Vector Multicast Routing Protocol DVMRP") (1988).

68.   While version 1 of PIM-SM was not standardized, version 2 of PIM-SM was standardized in RFC 2117, which is titled "Protocol Independent Multicast-Sparse Mode (PIM-SM): Protocol Specification" and was published in June 1997. This version of PIM was then updated by RFC 2362, which had the same title, in June 1998. Subsequent RFCs, including RFC 4601 (August 2006) and RFC 7761 (Mar. 2016) provided further updates and revisions to PIM-SM.

69.   Similarly, while version 1 of PIM-DM was not standardized, version 2 of PIM-DM was described in RFC 3973, which is titled "Protocol Independent Multicast - Dense Mode (PIM-DM): Protocol Specification (Revised)" and was published in January 2005. Prior to RFC 3973, several IETF Internet Drafts also described PIM-DM, including for example the Internet Draft at https://tools.ietf.org/html/draft-ietf-idmr-pim-dm-spec-01, which is titled "Protocol Independent Multicast-Dense Mode (PIM-DM): Protocol Specification" and was published in January 1996, as well as the four subsequent drafts that followed it.

70.   The following CLI commands in this litigation provide functionality relating to the PIM protocols (shown in chronological order based on Cisco's purported "earliest document date" for each alleged command):

Disputed "Command"	Earliest Document Date	Additional Opinions
ip pim sparse-mode	June 24, 1994	"ip" was described in RFC 791 (1981), as discussed elsewhere in this Report.

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		The term "pim" refers to Protocol Independent Multicast, described in RFC 2117 (June 1997), but as noted above, described in publications dating back to March 1994. The term "sparse-mode" refers to a type of PIM implementation (contrast against "dense-mode"), as discussed above. "Sparse Mode" is defined in RFC 2117 (Jun 1997) (see Introduction).
ip pim query-interval	June 24, 1994	The term "query-interval" refers to the rate of messages an RP router sends/collects via IGMP. This variable "Query Interval" is defined in RFC 2236 (Nov. 1997) at Section 8.2.
show ip pim interface	July 9, 1994	"show" commands come from prior legacy CLIs, as discussed elsewhere in this Report. Interface specific variables / metrics for PIM are part of the MIB Definitions listed within RFC 5060 (Jan. 2008).
show ip pim neighbor	July 9, 1994	Neighbor specific variables / metrics for PIM are part of the MIB Definitions listed within RFC 5060 (Jan. 2008).
show ip pim rp	July 9, 1994	RP specific variables / metrics for PIM are part of the MIB Definitions listed within RFC 5060 (Jan. 2008). RP is the defined acronym for

		Rendezvous Point, sa discussed elsewhere in this table and in RFC 2117 (June 1997).
ip multicast-routing	July 9, 1994	Multicast routing is an industry term discussed in several RFCs, including for example RFC 1075 ("Distance Vector Multicast Routing Protocol") (Nov. 1988), https://tools.ietf.org/pdf/rfc1075.pdf. This widely used command is not specific to PIM, but simply enables IP multicast routing.
ip pim rp-address	October 4, 1994	The term "rp-address" refers to the IP address of the Rendezvous Point, defined in RFC 2117 (June 1997), and is used and discussed in Section 2.1. RPs are discussed in Section 2.6. The term "RP Address" is also a very common term used in multicast, and its configuration implies the use of an IP address as an identifier.
ip pim spt-threshold	December 17, 1995	SPT used in this context is a known industry acronym for "shortest-path tree." The term "spt-threshold" is used by several vendors, including Juniper, for commands relating to this PIM functionality.
ip pim spt-threshold group-list	December 17, 1995	Constituent command keywords discussed elsewhere in this table and section.
ip multicast boundary	March 1996	The term "boundary" is technical term used in the context of multicast

		routers and protocols. For example, RFC 2117 at § 2.7 refers to the "boundary of a PIM-SM domain."
ip pim neighbor-filter	January 22, 1997	Constituent command keywords discussed elsewhere in this table and section.
ip pim bsr-candidate	April 3, 1997	The term "bsr-candidate" is described in RFC 2117 (June 1997) (drafts are earlier) at Section 3.6 (discussing Candidate BSRs).
ip pim rp-candidate	April 3, 1997	The term "rp-candidate" is discussed in RFC 2117 (June 1997) at Section 2.6 (discussing Candidate RPs).
show ip pim rp-hash	April 3, 1997	The term "rp-hash" refers to the mapping between a particular multicast group to a particular RP router. The RP hashing mechanism is documented in the RFC 2117 (1997), at Section 3.7.
ip pim dr-priority	August 4, 1999	The acronym "dr" refers to Designated Router, defined in RFC 2117 (June 1997) at Section 2. The term "dr-priority" refers to a variable used for DR selection process. That variable is described both in RFC 2117 (June 1997) at Section 2.9 and in the MIB Definitions for PIM within RFC 5060 (Jan. 2008) at Section 5.
ip pim register-source	September 9, 1999	The term "register-source" refers to the ability of changing the source ip address used when sending register messages. The RFC 2117 (June

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		1997) describes this in Sections 2 and 4.
ip pim bsr-border	October 13, 1999	The term "bsr-border" refers to the ability of a Bootstrap Router (bsr) to transmit or not bootstrap messages on a particular interface. The acronym "bsr" and its operation is defined in the RFC 2117 (June 1997) at Section 2.6. The term "border" refers to a bsr router that is located at the edge of a multicast domain (also known as PIM Multicast Border Router (PMBR)). This type of router is described in RFC 2117 (June 1997) at Section 2.7. The term "bsr-border" is also defined in the MIB Definitions for PIM within RFC 5060 (Jan 2008).
ip pim ssm range	February 24, 2000	The term "ssm range" defines the range of IP addresses to be used for multicast. SSM is a known industry acronym for Source-Specific Multicast. This acronym, and the use of an SSM range, is discussed in RFC 3569 (Jul 2003).
ip pim log-neighbor-changes	August 9, 2004	The phrase "log neighbor changes" in this and other disputed commands describes exactly what it does—it logs when a "neighbor" (a common networking industry term discussed throughout this Appendix) changes in status (*e.g.*, resets or goes down).

ip pim anycast-rp	April 29, 2005	The term "anycast-rp" refers to anycast rendevous point, described in RFC 3446 "Anycast Rendevous Point (RP) mechanism using Protocol Independent Multicast (PIM) and Multicast Source Discovery Protocol (MSDP)" (Jan 2003).
ip pim bfd	November 11, 2009	Term "bfd" refers to Bidirectional Forwarding Detection, defined in RFC 5880 (June 2010).
ip pim bfd-instance	March 1, 2010	Term "bfd" refers to Bidirectional Forwarding Detection, defined in RFC 5880 (June 2010). The phrase "BFD instance" is a common phrase in the networking industry to reference to an instance of BFD on a router.

Q.   Routing Information Protocol ("RIP")

71.   Routing Information Protocol, or RIP, is described in RFC 1058, which is titled "Routing Information Protocol" and was published in June 1988 by Chuck Hedrick from Rutgers University. RFC 1058, which the IETF has now characterized as Historical, was then updated and superseded by RFC 1388 and 1723. RFC 1388, a standards-track RFC titled "RIP Version 2 … Carrying Additional Information" was published in January 1993 by G. Malkin of Xylogics, Inc., and was obsoleted by RFC 1723, published in November 1994 by Malkin. Several subsequent RFCs updated RIP, including RFC 2453, which was published by Malkin in November 1998.

72.   Generally speaking, RIP sets forth a mechanism for how neighboring routers

within an Autonomous System, or AS, exchange routing table information. As described in

RFC 2453, RIP is a routing protocol based on the Bellman-Ford (or distance vector)

algorithm. This algorithm has been used for routing computations in computer networks since

the early days of the ARPANET. As discussed elsewhere in this Report, Cisco engineer Kirk

Lougheed acknowledged in his deposition that RIP was widely used in the networking

industry years before any RFC described it.

73.   RFC 2453 further explains that in an international network, such as the

Internet, it is very unlikely that a single routing protocol will used for the entire network.

Rather, the network will be organized as a collection of ASs, each of which will, in general, be

administered by a single entity. Each AS will have its own routing technology, which may

differ among ASs. The routing protocol used within an AS is referred to as an interior

gateway protocol, while a separate protocol, called an exterior gateway protocol, is used to

transfer routing information between each AS. RIP was designed to work as an IGP in

moderate-size AS. Other IGPs include OSPF and IS-IS, both of which are described in this

Appendix.

74.   The following CLI commands in this litigation provide functionality relating to

the RIP standard (shown in chronological order based on Cisco's purported "earliest document

date" for each alleged command):

Disputed "Command"	Earliest Document Date	Additional Opinions
router rip	September 19, 1987	The first RFC to describe "RIP" and describe its use with IP is RFC 1058 (June 1988). The convention of using "router" as

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		a first keyword is shared by many networking vendors, as shown elsewhere in this Report.
timers basic (RIP)	September 14, 1989	RFC 1058 (June 1988) defined and described the use of RIP network timers at Page 23 ("There are two timers associated with each route…").
ip rip v2-broadcast	December 2, 1995	"ip" was described in RFC 791 (1981), as discussed elsewhere in this Report. "V2" refers to Version 2 of RIP. RFC 2453 (Nov. 1998) describes and defines "broadcasts" for RIP version 2 in Sections 3.9.1 and 5.1.
show ip rip database	May 4, 1998	"show" commands come from prior legacy CLIs, as discussed elsewhere in this Report.
show interfaces description	September 18, 2000	The common command keywords "interfaces" and "description", which are used by many vendors, are discussed elsewhere in this Appendix.
show ip rip neighbors	August 27, 2010	RFC 1058 (June 1988) at Section 2 discusses and uses the term "neighbors" in the context of RIP.

R.   Simple Network Management Protocol ("SNMP")

75.   Simple Network Management Protocol, or SNMP, is described in several RFCs published by the IETF, starting with RFC 1065 ("Structure and identification of management

information for TCP/IP-based internets"), RFC 1066 ("Management information base for

network management of TCP/IP-based internets"), and RFC 1067 ("A simple network

management protocol"). RFCs 1065 and 1066 were published in August 1988 by TWG (The

Wollongong Group), and RFC 1067 was published in August 1988 by a multitude of

contributors.

76.   These RFCs were obsoleted and/or supplemented by several subsequent RFCs:

○   RFC 1098 ("A Simple Network Management Protocol (SNMP)") (Apr.

1989)

○   RFC 1155 ("Structure and Identification of Management Information

for TCP/IP-based Internets") (May 1990)

○   RFC 1156 ("Management Information Base for Network Management

of TCP/IP-based internets") (May 1990)

○   RFC 1157 ("A Simple Network Management Protocol (SNMP)") (May

1990)

○   RFC 1213 ("Management Information Base for Network Management

of TCP/IP-based internets: MIB-II") (Mar. 1991)

○   RFC 1452 ("Coexistence between version 1 and version 2 of the

Internet-standard Network Management Framework") (Apr. 1993)

○   RFC 1901 ("Introduction to Community-based SNMPv2") (Jan. 1996)

○   RFC 1902 ("Structure of Management Information for SNMPv2") (Jan.

1996)

○   RFC 1908 ("Coexistence between Version 1 and Version 2 of the

Internet-standard Network Management Framework") (Jan. 1996)

○   RFC 2570 ("Introduction to Version 3 of the Internet-standard Network

Management Framework") (Apr. 1999)

○   RFC 2578 ("Structure of Management Information Version 2

(SMIv2)") (Apr. 1999)

○   RFC 3410 ("Introduction and Applicability Statements for Internet

Standard Management Framework") (Dec. 2002)

○   RFC 3411 ("An Architecture for Describing Simple Network

Management Protocol (SNMP) Management Frameworks") (Dec.

2002)

○   RFC 3412 ("Message Processing and Dispatching for the Simple

Network Management Protocol (SNMP)") (Dec. 2002)

○   RFC 3413 ("Simple Network Management Protocol (SNMP)

Applications") (Dec. 2002)

○   RFC 3414 ("User-based Security Model (USM) for version 3 of the

Simple Network Management Protocol (SNMPv3)") (Dec. 2002)

○   RFC 3415 ("View-based Access Control Model (VACM) for the

Simple Network Management Protocol (SNMP)") (Dec. 2002)

○   RFC 3416 ("Version 2 of the Protocol Operations for the Simple

Network Management Protocol (SNMP)") (Dec. 2002)

○   RFC 3417 ("Transport Mappings for the Simple Network Management

Protocol (SNMP)") (Dec. 2002)

- ○ RFC 3418 ("Management Information Base (MIB) for the Simple Network Management Protocol (SNMP)") (Dec. 2002)

- ○ RFC 3430 ("Simple Network Management Protocol (SNMP) over Transmission Control Protocol (TCP) Transport Mapping") (Dec. 2002)

- ○ RFC 3584 ("Coexistence between Version 1, Version 2, and Version 3 of the Internet-standard Network Management Framework") (Aug. 2003)

- ○ RFC 3826 ("The Advanced Encryption Standard (AES) Cipher Algorithm in the SNMP User-based Security Model") (June 2004)

- ○ RFC 5343 ("Simple Network Management Protocol (SNMP) Context EngineID Discovery") (Sept. 2008)

- ○ RFC 5590 ("Transport Subsystem for the Simple Network Management Protocol (SNMP)") (June 2009)

- ○ RFC 5591 ("Transport Security Model for the Simple Network Management Protocol (SNMP)") (June 2009)

- ○ RFC 5592 ("Secure Shell Transport Model for the Simple Network Management Protocol (SNMP)") (June 2009)

- ○ RFC 5608 ("Remote Authentication Dial-In User Service (RADIUS) Usage for Simple Network Management Protocol (SNMP) Transport Models.") (Aug. 2009)

- ○ RFC 6353 ("Transport Layer Security (TLS) Transport Model for the Simple Network Management Protocol (SNMP)") (July 2011)

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○   RFC 7630 ("HMAC-SHA-2 Authentication Protocols in the User-based

Security Model (USM) for SNMPv3") (Oct 2015)

77.   The following CLI commands in this litigation provide functionality relating to

SNMP (shown in chronological order based on Cisco's purported "earliest document date" for

each alleged command):

Disputed "Command"	Earliest Document Date	Additional Opinions
no snmp-server	April 24, 1989	"no" commands come from prior legacy CLIs, as discussed elsewhere in this Report. RFC 1067 (Aug. 1988) Section 3 describes the SNMP architectural model, and contemplates the use "management stations" that reflect a client./server model.
snmp-server community	April 24, 1989	Term "community" refers to a variable string used for membership, as expressly described in RFC 1067 (Aug. 1988) Sections 3.2.5 and 4. "community" is also defined as a variable /object tracked within the Management Information Base for SNMPv2, described in RFC 1907 (Jan. 1996).
snmp-server host	April 24, 1989	The term "host" refers to the identity of appliance acting as a snmp server/client (*i.e.* hostname or ip address of node receiving snmp messages). The term "host" is defined in RFC 1514 (Sept. 1993) at Abstract.

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snmp-server contact	June 14, 1992	The term "contact" refers to information stored in a network device detailing the person responsible for its control, and is defined in RFC 1907 (Jan. 1996) ("sysContact").
snmp-server location	June 14, 1992	Constituent command keywords discussed elsewhere in this table and section.
show snmp	August 4, 1992	"show" commands come from prior legacy CLIs, as discussed elsewhere in this Report.
snmp-server chassis-id	February 28, 1993	Constituent command keywords discussed elsewhere in this table and section.
show snmp mib	July 22, 1993	The term "mib" is a well-known industry acronym that refers to management information base, defined in RFC 1067 (Aug 1988). The MIB describes the attributes of a particular platform accessible via SNMP.
snmp trap link-status	November 11, 1993	The term "link-status" refers to the trap generated when an interface goes up/down. The interface status MIB was defined in RFC 2233 (Nov. 1997).
snmp-server view	August 8, 1994	Constituent command keywords discussed elsewhere in this table and section.
snmp-server enable traps	November 29, 1994	Terms "enable traps" refers to activating unsolicited snmp messages (traps).

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show snmp view	July 4, 1995	The term "view" refers to the term ViewTreeFamily defined in RFC 2575 (Apr. 1999) at Section 2.4.2.
show snmp chassis	December 6, 1996	The term term "chassis" refers to serial number information of the snmp server /device hosting snmp process..
show snmp contact	December 6, 1996	Constituent command keywords discussed elsewhere in this table and section.
show snmp location	December 6, 1996	The term "location" refers to information stored in a network device detailing its placement. The term "location" is also defined RFC 1907 (Jan. 1996).
show snmp community	March 12, 1997	Constituent command keywords discussed elsewhere in this table and section.
show snmp group	August 5, 1998	The term "group" in this command displays the number of SNMP groups configured on a particular system along with other informational attributes. The term "group" here lso refers to the collection of MIB objects that are common to all managed systems. *See* RFC 1907 ("snmpMIBGroups").
show snmp user	August 5, 1998	The term "user" refers to the authentication mode used with snmp and the information that links users with a particular engineID. User-based authentication for SNMP was defined in RFC 1910 (Feb.

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		1996).
snmp-server user	August 5, 1998	Constituent command keywords discussed elsewhere in this table and section.
snmp-server engineID local	October 19, 1998	The term "engineID" refers to the snmpEngineID variable described in RFC 2261 (Jan 1998) and RFC 1907 (Jan. 1996) Section 3.1.1.1.
snmp-server engineID remote	October 19, 1998	Constituent command keywords discussed elsewhere in this table and section.
show snmp engineID	October 19, 1998	Constituent command keywords discussed elsewhere in this table and section.
show snmp host	October 19, 1998	Constituent command keywords discussed elsewhere in this table and section.
snmp-server group	November 3, 1998	Constituent command keywords discussed elsewhere in this table and section.
snmp-server source-interface	August 3, 2004	Constituent command keywords discussed elsewhere in this table and section.
show snmp trap	January 24, 2008	The term "trap" refers to unsolicited snmp messages sent by network elements. Trap messages are defined in RFC 1067 (Aug 1988) at Sections 3.2.3 and 4.1.6. "Trap" is also defined as a variable /object tracked within the Management Information Base for SNMPv2, described in RFC 1907

		(Jan. 1996).
show snmp source-interface	December 1, 2008	The term "source-interface" (which appears in at least one other disputed commands) refers to the ability to override the source IP address for all snmp packets transmitted.

S.   Transmission Control Protocol ("TCP")

78.   Transmission Control Protocol, or TCP, is described in RFC 793, which is titled "TRANSMISSION CONTROL PROTOCOL … DARPA INTERNET PROGRAM PROTOCOL SPECIFICATION" and was published in September 1981. RFC 793 indicates that it was prepared by the Information Sciences Institute at the University of Southern California.

79.   RFC 793 states that TCP is intended for use as a highly reliable host-to-host protocol between hosts in packet-switched computer communication networks, and in interconnected systems of such networks. Although TCP can run over a variety of network layer protocols, it most commonly runs over IP and is therefore often called "TCP/IP."

80.   TCP is discussed in relation to several commands, including "ip nat translation tcp-timeout." TCP in that command refers to the industry standard acronym "TCP." "Timeout" is a common networking term discussed and used in early RFCs, including RFC 908 (July 1984) at Section 3.4.4. ("Retransmission Timeout").

T.   User Datagram Protocol ("UDP")

81.   User Datagram Protocol, or UDP, is described in RFC 768, which is titled "User Datagram Protocol" and was published in August 1980. RFC 768 indicates that it was

prepared by Jon Postel from the Information Sciences Institute at the University of Southern California.

82.   RFC 768 states that UDP is defined to make available a datagram mode of packet-switched computer communication in the environment of an interconnected set of computer networks, and assumes that IP is used as the underlying protocol.

83.   UDP is discussed in relation to several commands, including "ip nat translation udp-timeout." UDP in that command refers to the industry standard acronym "UDP." "Timeout" is a common networking term discussed and used in early RFCs, including RFC 908 (July 1984) at Section 3.4.4. ("Retransmission Timeout").

U.   Virtual Router Redundancy Protocol ("VRRP")

84.   Virtual Router Redundancy Protocol, or VRRP, is described in RFC 2338, which is titled "Virtual Router Redundancy Protocol" and was published in April 1998 by multiple contributors from Ascend Communications, Microsoft, Nokia, DEC, and IBM. VRRP is further described in subsequent RFCs, including RFC 3768, entitled "Virtual Router Redundancy Protocol (VRRP)" and published in April 2004, and in RFC 5798, entitled "Virtual Router Redundancy Protocol (VRRP) Version 3 for IPv4 and IPv6" and published in March 2010.

85.   Generally speaking, VRRP is an Internet protocol that provides a way to have one or more backup routers when using a statically configured router on a local area network (LAN). As described in the RFCs, VRRP specifies an election protocol that dynamically assigns   responsibility for a virtual router to one of the VRRP routers on a LAN. The VRRP router controlling the IP address(es) associated with a virtual router is called the Master, and

forwards packets sent to these IP addresses. The election process provides dynamic fail over

in the forwarding responsibility should the Master become unavailable.

      86.   The following CLI commands in this litigation provide functionality relating to

the VRRP standard (shown in chronological order based on Cisco's purported "earliest

document date" for each alleged command):

Disputed "Command"	Earliest Document Date	Additional Opinions
show vrrp	June 9, 2000	"show" commands come from prior legacy CLIs, as discussed elsewhere in this Report. The "vrrp" acronym is used and defined in RFC 2338 (Apr. 1998).
vrrp authentication	June 9, 2000	*See* RFC 2338 (Apr. 1998) at § 5.3.6 ("Authentication Type").
vrrp ip	June 9, 2000	"ip" was described in RFC 791 (1981), as discussed elsewhere in this Report.
vrrp ip secondary	June 9, 2000	The terms "track" and "secondary" are both well-known terms used to monitor interfaces/events before taking a corrective action ("track"), and also used to include additional IP addresses into a particular interface/service ("secondary").
vrrp preempt	June 9, 2000	RFC 2338 (Apr. 1998) at § 6.1.2 ("Parameters per Virtual Router") discusses "Preempt_Mode", which [c]ontrols whether a higher priority Backup router preempts a lower priority Master."

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vrrp priority	June 9, 2000	RFC 2338 (Apr. 1998) at § 6.1.2 ("Parameters per Virtual Router"): defines "Priority … Priority value to be used by this VRRP router in Master election for this virtual router."
vrrp timers advertise	June 9, 2000	RFC 2338 (Apr. 1998) at §§ 6.1.2 and 6.2 both discuss "advertisements" in the VRRP context.
vrrp track	June 9, 2000	The terms "track" and "secondary" are both well-known terms used to monitor interfaces/events before taking a corrective action ("track"), and also used to include additional IP addresses into a particular interface/service ("secondary").
vrrp description	June 4, 2001	As noted elsewhere in this Appendix, the "description" keyword can be associated with not only protocols but also with interfaces, access control lists and several other network device configurable features. Several vendors use this keyword/command.
vrrp shutdown	March 5, 2004	As noted elsewhere in this Appendix, the "shutdown" keyword is commonly used as a feature disablement keyword.
vrrp delay reload	July 8, 2009	RFC 2338 at § 8.2 ("Host ARP Requests") discusses delay functionality.

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APPENDIX B

APPENDIX B: IEEE Standards and Protocols

1.   I have reviewed Arista's responses, including supplemental responses to Cisco's Interrogatory No. 10 and incorporate the identification of IEEE publications and other industry-standard documents cited in those responses for the disputed CLI commands.

A.   IEEE Std 802.1X ("DOT1X")

2.   IEEE Standard 802.1X, also referred to as "dot1x," is an IEEE standard for port-based network access control and is part of the IEEE 802.1 group of networking protocols. IEEE 802.1X was originally published as a supplement to IEEE Standard 802.1D-1998, but thereafter has been published as a standalone standard, including IEEE Standard 802.1X-2001, IEEE Standard 802.1X-2004, and IEEE Standard 802.1X-2010.

3.   IEEE 802.1X provides an authentication mechanism to devices wishing to attach to a LAN or WLAN, and involves three entities that are defined in the standard: (1) a supplicant, (2) an authenticator, and (3) an authentication server. The standard also defines a Port Access Entity, or PAE, which is the protocol entity associated with a port.

4.   The following CLI commands in this litigation provide functionality relating to the IEEE Standard 802.1X (shown in chronological order based on Cisco's purported "earliest document date" for each alleged command):

Disputed "Command"	Earliest Document Date	Additional Opinions
show dot1x	May 20, 2000	IEEE 802.1x-2001 (2001) uses the shorthand "dot1x" as seen in Table 10-1 of the standard.
dot1x port-control	May 21, 2001	IEEE 802.1x-2001 § 8.5.2.2 ("Global variables") defines a "portControl" variable.

dot1x reauthentication	May 21, 2001	IEEE 802.1x-2001 § 5.1 ("Static conformance requirements") discusses "reauthentication." This is also discussed in §§ 8.3.3, 8.4.2.1, and 8.4.4.
dot1x system-auth-control	May 21, 2001	IEEE 802.1x-2001 § 9.6.1.1.3 ("Outputs"): "SystemAuthControl. The value of the SystemAuthControl parameter (6.3) for the System. This parameter can take the values Enabled and Disabled."
dot1x timeout quiet-period	May 22, 2001	IEEE 802.1x-2001 § 8.5.2.1 ("Timers"): "quietWhile. A timer used by the Authenticator state machine to define periods of time during which it will not attempt to acquire a Supplicant. The initial value of this timer is quietPeriod." IEEE 802.1x-2001 § 8.5.4.1.2 ("Constants"): "quietPeriod. The initialization value used for the quietWhile timer. Its default value is 60 s; it can be set by management to any value in the range from 0 to 65 535 s."
dot1x timeout tx-period	May 22, 2001	IEEE 802.1x-2001 § 8.5.2.1 ("Timers"): "txWhen. A timer used by the Authenticator PAE state machine to determine when an EAPOL PDU is to be transmitted. The initial value of this timer is txPeriod." Also, IEEE 802.1x-2001 § 8.5.4.1.2 ("Constants"): "txPeriod. The initialization value used for the txWhen timer. Its default value is 30

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		s; it can be set by management to any value in the range from 1 to 65 535 s."
dot1x timeout reauth-period	May 24, 2001	IEEE 802.1x-2001 § 8.4.4 ("Timing out authorization state information"): "Authenticator PAEs can time out the authorization state information on a periodic basis by means of the Reauthentication Timer State Machine (8.5.7). The time period for such timeouts is reAuthPeriod seconds since the last time that the authorization state was confirmed. The state variable reAuthEnabled controls whether periodic reauthentication takes place."
show dot1x statistics	May 24, 2001	IEEE 802.1x-2001 § 9.4.2 ("Authenticator Statistics"): "The Authenticator Statistics managed object models the operations that modify, or enquire about, the statistics associated with the operation of the Authenticator. There is a single Authenticator Statistics managed object for each Port that supports Authenticator functionality." Also see §§ 9.4.4 and 9.5.2.
dot1x pae authenticator	February 3, 2004	IEEE 802.1x-2001 § 6.2 ("Port access entity") discusses the "Authenticator PAE". This is also discussed in §§ 9.4 and 10.4.3.
dot1x max-reauth-req	June 30, 2004	IEEE 802.1x-2001 § 8.5.4.1.2 ("Constants"): "reAuthMax. The number of reauthentication attempts

		that are permitted before the Port becomes Unauthorized. The default value of this constant is 2." This is also discussed in §§ 8.5.4.5 and 8.5.8.7.
show dot1x all summary	August 4, 2005	"show" commands come from prior legacy CLIs, as discussed elsewhere in this Report.
aaa accounting dot1x	March 29, 2006	The constituent command words are addressed elsewhere in this table, as well as in the "AAA" section of this Appendix.

B.   Link Aggregation Control Protocol ("LACP")

5.   The Link Aggregation Control Protocol, or LACP, was initially defined by IEEE Standard 802.3AD. Generally speaking, link aggregation refers to the combination (or aggregation) of multiple network connections in parallel to both to increase throughput beyond what a single connection might permit, and to provide redundancy in case one of the multiple links fails.

6.   In the late 1990s, the IEEE 802.3 Working Group began work on creating a standard and interoperable link aggregation protocol to replace the various vendor-specific link aggregation methods introduced by each manufacturer in the mid-1990s. The IEEE's work resulted in IEEE Standard 802.3AD-2000 (published in 2000), which describes an interoperable and standardized link-layer protocol known as LACP. It was later incorporated into IEEE Standard 802.3 as clause 43 of IEEE Standard 802.3-2005, and thereafter published as IEEE Standard 802.1AX-2008 (the IEEE transferred LACP to the 802.1 group in 2008).

7.   As described by the IEEE specification, LACP provides a method to control the bundling of physical network links to form a single logical channel.

8.   The following CLI commands in this litigation provide functionality relating to LACP (shown in chronological order based on Cisco's purported "earliest document date" for each alleged command):

Disputed "Command"	Earliest Document Date	Additional Opinions
show lacp neighbor	May 7, 2001	"show" commands come from prior legacy CLIs, as discussed elsewhere in this Report. IEEE Std 802.3 (2000) disclosed "LACP" at Section 43.4 ("Link Aggregation Control Protocol"): "The Link Aggregation Control Protocol (LACP) provides a standardized means for exchanging information between Partner Systems on a link to allow their Link Aggregation Control instances to reach agreement on the identity of the Link Aggregation Group to which the link belongs, move the link to that Link Aggregation Group, and enable its transmission and reception functions in an orderly manner." IEEE Std 802.3 (2000) provides an example of aggregation with a "neighbor" at Section 43C.7: "This is equivalent to each port being able to aggregate with either neighbor, understanding the ports to be arranged in a circle."

lacp port-priority	May 7, 2001	IEEE Std 802.3 (2000 edition) at § 43.3.4 ("Port Identification"): "Link Aggregation Control uses a Port Identifier, comprising the concatenation of a Port Priority and a Port Number, to identify the port. Port Numbers (and hence, Port Identifiers) shall be uniquely assigned within a System. Port Number 0 shall not be assigned to any port."
lacp system-priority	May 7, 2001	IEEE Std 802.3 (2000) disclosed "LACP" as well as a "System Priority" parameter at Section 43.4.2: "The globally unique identifier used to identify a System shall be the concatenation of a globally administered individual MAC address and the System Priority. … The two most significant octets of the System Identifier comprise the System Priority. The System Priority value is taken to be an unsigned binary number; the most significant octet of the System Priority forms the most significant octet of the System Identifier." Also see IEEE Std 802.3 (2000 edition) at § 43C.3 ("Every link between systems operating LACP is assigned a unique priority. This priority comprises (in priority order) the System Priority, System ID, Port Priority, and Port Number of the higher-priority system. In priority comparisons, numerically lower values have higher priority.")

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show lacp counters	May 7, 2001	IEEE Std 802.3 (2000) discusses the use of counters, including for Link Aggregation at Sections 5.2.1 and 30.7: "[5.2.1] All counters defined in this specification are assumed to be wraparound counters. Wraparound counters are those that automatically go from their maximum value (or final value) to zero and continue to operate. These unsigned counters do not provide for any explicit means to return them to their minimum (zero), i.e., reset. Because of their nature, wraparound counters should be read frequently enough to avoid loss of information."
lacp rate	October 18, 2005	IEEE Std 802.3 (2000) discusses different transmission rates for LACP at Section 43.4.13 ("Periodic Transmission machine"): "Transmissions occur at a rate determined by the Partner; this rate is linked to the speed at which the Partner will time out received information. The state machine has four states. They are as follows: … FAST_PERIODIC. While in this state, periodic transmissions are enabled at a fast transmission rate. … SLOW_PERIODIC. While in this state, periodic transmissions are enabled at a slow transmission rate."

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| show lacp interface | October 30, 2007 | IEEE Std 802.3 (2000) discusses LACP interfaces at Sections 30C.5 and 30C.5.1: "[30C.5.a] It is assumed that a system implementing this MIB will also implement (at least) the 'system' group defined in MIB-II defined in RFC 1213 and the 'interfaces' group defined in RFC 2233." |

C.   **Link Layer Discovery Protocol ("LLDP")**

9.   The Link Layer Discovery Protocol, or LLDP, is defined by IEEE Standard 802.1AB. After several years of development, LLDP was formally defined as IEEE Standard 802.1AB-2005 (published in May 2005).

10.   Unlike vendor-specific discovery protocols, including Cisco Discovery Protocol (CDP), Extreme Discovery Protocol, Foundry Discovery Protocol (FDP), Nortel Discovery Protocol (also known as SONMP), and Microsoft's Link Layer Topology Discovery (LLTD), LLDP is a vendor-neutral layer 2 protocol that is used used by network devices to advertise their identity, capabilities, and neighbors on the network.

11.   As confirmed by former Cisco engineer Devadas Patil at his deposition, the vast majority of command terms--if not all of them--were taken either from pre-existing CLI command syntaxes (*e.g.*, use of "show" commands or re-use of the command set for CDP), or from terms taken directly from the LLDP industry standard.

12.   The following CLI commands in this litigation provide functionality relating to LLDP (shown in chronological order based on Cisco's purported "earliest document date" for each alleged command):

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Disputed "Command"	Earliest Document Date	Additional Opinions
clear lldp counters	November 16, 2005	"clear" commands come from prior legacy CLIs, as discussed elsewhere in this Report. IEEE Std 802.1AB-2005 (May 2005) disclosed LLDP in Section 1: "The Link Layer Discovery Protocol (LLDP) specified in this standard allows stations attached to an IEEE 802® LAN to advertise, to other stations attached to the same IEEE 802 LAN, the major capabilities provided by the system incorporating that station, the management address or addresses of the entity or entities that provide management of those capabilities, and the identification of the station's point of attachment to the IEEE 802 LAN required by those management entity or entities."
clear lldp table	November 16, 2005	IEEE Std 802.1AB-2005 (May 2005) defines several objects that include "tables" as part of the LLDP MIB in Section 12.2.
lldp holdtime	November 16, 2005	IEEE Std 802.1AB-2005 (May 2005) disclosed a similar parameter called "msgTxHold" in Sections 10.1.1 and 10.5.3.3.
lldp reinit	November 16, 2005	IEEE Std 802.1AB-2005 (May 2005) disclosed a similar parameter called "reinitDelay" in Section 10.1.1.
lldp run	November 16, 2005	IEEE Std 802.1AB-2005 § 3.1 ("Definitions") uses "run" in the same way that the command uses

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		this term:.
lldp timer	November 16, 2005	IEEE Std 802.1AB-2005 (May 2005) describes several timers, including the one to which this command pertains at Section 10.5.3 ("Timers"): "The timer used for LLDP state machines decrements countdown counters that keep time values for the all objects in the resident station's LLDP MIB." Also see IEEE Std 802.1AB-2005 § 10.5.3.3 ("Transmit state machine timing parameters"): "The following timing counters are used in conjunction with the timers defined in 10.5.3.1: … msgTxInterval: This parameter indicates the interval at which LLDP frames are transmitted on behalf of this LLDP agent. The recommended default value for msgTxInterval is 30 seconds." This command refers in particular to the msgTxInterval PDU transmission rate.
lldp tlv-select	November 16, 2005	IEEE Std 802.1AB-2005 (May 2005) describes TLV selection management in Sections 7.5 ("TLV section") and 11.2.2 ("TLV selection management").
show lldp	November 16, 2005	"show" commands come from prior legacy CLIs, as discussed elsewhere in this Report.
show lldp neighbors	November 16, 2005	IEEE Std 802.1AB-2005 (May 2005)

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		discusses "neighbors" in the context of LLDP at Section 11.2.4. In addition, the standard defines a variable called "tooManyNeighbors" in Section 10.5.5.1. The use of "neighbors" in the LLDP standard--as it is used in all disputed commands--is consistent with industry customary meaning.
show lldp traffic	November 16, 2005	The use of "traffic" in this command is the same as was known and understood in the industry as of 2005, which--generally speaking-- is the amount of data traversing the network at a given point of time.
lldp receive	February 1, 2006	IEEE Std 802.1AB-2005 (May 2005) describes LLDP operational modes ("transmit" or "receive") at Section 7.1: "LLDP is a one way protocol. An LLDP agent can transmit information about the capabilities and current status of the system associated with its MSAP identifier. The LLDP agent can also receive information about the capabilities and current status of the system associated with a remote MSAP identifier."
lldp transmit	February 1, 2006	See immediately above.

D.   Precision Time Protocol ("PTP")

13.   The Precision Time Protocol, or PTP, was originally defined in the IEEE

Standard 1588-2002, which is titled "Standard for a Precision Clock Synchronization Protocol

for Networked Measurement and Control Systems" and published in 2002. A revised PTP

standard, version 2, was published as IEEE Standard 1588-2008 in 2008, and featured

improved accuracy, precision, and robustness.

14.   PTP defined in IEEE Standard 1588-2008 is a standardized protocol used to

synchronize clocks throughout a network, and achieves clock accuracy in the

sub-microsecond range, making it suitable for measurement and control systems. It performs

functionality similar to the IETF-defined NTP, or Network Time Protocol, which is a different

standardized protocol discussed elsewhere in this Report.

15.   I have reviewed the deposition testimony of Tong Liu, the former Cisco

engineer who supposedly authored several of these disputed PTP commands, and confirmed

that Ms. Liu based the vast majority of the command terms on the terminology used in the

PTP standard.

16.   The following CLI commands in this litigation provide functionality relating to

PTP (shown in chronological order based on Cisco's purported "earliest document date" for

each alleged command):

Disputed "Command"	Earliest Document Date	Additional Opinions
ptp priority1	June 25, 2008	IEEE Std 1588-2008 (Mar. 2008) disclosed and defined the acronym "ptp" in Section 3.1.28: "Precision Time Protocol (PTP): The protocol defined by IEEE Std 1588-2008. As an adjective, it indicates that the modified noun is specified in or interpreted in the context of IEEE Std 1588-2008."

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		The term "priority1" comes directly from IEEE Std 1588-2008 § 6.6.2.3 ("Best master clock algorithm"): "... priority1: A user configurable designation that a clock belongs to an ordered set of clocks from which a master is selected"
ptp priority2	June 25, 2008	The term "priority2" comes directly from IEEE Std 1588-2008 § 6.6.2.3 ("Best master clock algorithm"): "... priority2: A user configurable designation that provides finer grained ordering among otherwise equivalent clocks"
ptp sync interval	June 25, 2008	The term "sync interval" comes directly from IEEE Std 1588-2008 § 7.7.2.3 ("Sync (multicast) message transmission interval"): "The portDS.logSyncInterval shall specify the mean time interval between successive Sync messages, i.e., the syncInterval, when transmitted as multicast messages."). Also see Table 40 in the standard.
show ptp clock	June 25, 2008	"show" commands come from prior legacy CLIs, as discussed elsewhere in this Report. The term "clock" comes directly from IEEE Std 1588-2008 § 3.1.4: "clock: A node participating in the Precision Time Protocol (PTP) that is capable of providing a measurement of the passage of time since a defined epoch."

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show ptp parent	June 25, 2008	The term "clock" comes directly from IEEE Std 1588-2008 § 3.1.23: "3.1.23 parent clock: The master clock to which a clock is synchronized." The term "parent" slone is also used in the IEEE standard to refer to the parent clock, as discussed in the deposition of Tong Liu.
ptp domain	July 23, 2009	The term "clock" comes directly from IEEE Std 1588-2008 § 3.1.7: "domain: A logical grouping of clocks that synchronize to each other using the protocol, but that are not necessarily synchronized to clocks in another domain."
show ptp time-property	October 12, 2009	IEEE Std 1588-2008 (Mar. 2008) discloses a "time properties" data set at Section 15.5.3.6.1.

E.   Spanning-Tree Protocol ("STP") & Related Protocols (RSTP and MSTP)

17.   The Spanning Tree Protocol, or STP, was initially defined by IEEE Standard 802.1D in 1990, which was extended by the IEEE in 1998 and 2004. STP serves two purposes: (1) it prevents problems caused by loops on a network; and (2) when redundant loops are planned on a network, STP deals with remediation of network changes or failures.

18.   The IEEE also introduced the Rapid Spanning Tree Protocol, or RSTP, in 2001 as IEEE Standard 802.1W. RSTP provides faster spanning-tree convergence after a topology change, and is backwards-compatible with STP.

19.   The Multiple Spanning Tree Protocol, or MSTP, was first specified in IEEE

Standard 802.1S and later merged into IEEE 802.1Q-2005. MSTP defines an extension to

RSTP to improve the usefulness of virtual LANs (VLANs) by configuring a separate

Spanning Tree for each VLAN group and blocking all but one possible alternate path within

each Spanning Tree.

　　　　20.　　　Much of the STP, RSTP, and MSTP functionality has been incorporated into

IEEE 802.1Q-2014.

　　　　21.　　　The following CLI commands in this litigation provide functionality relating to

STP, RSTP, and/or MSTP (shown in chronological order based on Cisco's purported "earliest

document date" for each alleged command):

Disputed "Command"	Earliest Document Date	Additional Opinions
show spanning-tree	November 2, 1998	"show" commands come from prior legacy CLIs, as discussed elsewhere in this Report. The term "spanning-tree" refers to Spanning Tree Protocol, defined in IEEE Std 802.1D-1990 at Section 4.
spanning-tree cost	January 4, 1999	The term "cost" refers Path Cost, which defines a value of an interface / port when STP algorithm is calculated. Path Cost is defined in the IEEE Std 802.1D (1990) at Section 6.8.2.3.
spanning-tree port-priority	January 4, 1999	The term "port-priority" refers to Port Priority variable, defined in the IEEE Std 802.1D (1990) at Section 6.8.2.3.
spanning-tree vlan	January 4, 1999	This command involves configuring STP parameters on a particular vlan

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		(PVSTP). VLANs are discussed elsewhere in this Appendix.
show spanning-tree interface	February 24, 2000	The term "interface" in this context refers to the spanning tree attributes associated with a particular port. Port States and parameters are defined in IEEE Std 802.1D-1990 (see Sections 4.4 and 4.6.6) and subsequent versions of the standard.
spanning-tree mode	July 17, 2000	The term "mode" refers to the ability to select the type of STP protocol to operate (contrast STP vs. RSTP vs. MST). IEEE Std 802.1w-2001 at Section 7.16.1 refers to operating a switch in compatibility mode to permit the coexistence of several types of STP protocols.
spanning-tree guard	May 16, 2001	The constituent command words are addressed elsewhere in this table and Appendix. This command relates to security and stability functionality for STP.
spanning-tree mst configuration	July 23, 2001	The constituent command words are addressed elsewhere in this table and Appendix.
spanning-tree link-type	September 4, 2001	The term "link-type" in this context refers to the type of port connectivity (*i.e.* point-to-point vs shared) while implementing RSTP. This is described in IEEE Std 802.1D (2004) § 17.12.
spanning-tree loopguard	September 26, 2001	The constituent command words are

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default		addressed elsewhere in this table and Appendix. This command relates to security and stability functionality for STP.
spanning-tree bpdufilter	October 31, 2001	The constituent command words are addressed elsewhere in this table and Appendix. This command relates to security and stability functionality for STP. The acronym "bpdu" is a well-known industry-standard term used in the IEEE standards that means "bridge protocol data unit," which is a frame used by all spanning-tree protocols. BDPUs are transmitted across a local area network to detect loops in network topologies. This command and other commands relating to security and stability are intended to protect an interface in a spanning-tree topology from BPDUs generated from other devices. This functionality is commonly supported by many vendors.
spanning-tree bpduguard	October 31, 2001	The constituent command words are addressed elsewhere in this table and Appendix. This command relates to security and stability functionality for STP.
spanning-tree portfast bpdufilter default	October 31, 2001	The constituent command words are addressed elsewhere in this table and

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		Appendix. This command relates to security and stability functionality for STP.
spanning-tree portfast bpduguard default	October 31, 2001	The constituent command words are addressed elsewhere in this table and Appendix. This command relates to security and stability functionality for STP.
clear spanning-tree counters	April 10, 2002	"clear" commands come from prior legacy CLIs, as discussed elsewhere in this Report.
show spanning-tree mst	April 10, 2002	The term "mst" in this context refers to the Multiple Spanning Tree version of Spanning Tree Protocol, defined in IEEE Std 802.1Q, 2003 Edition (and mentioned above). IEEE Std 802.1Q (2003) § 13 uses the acronym "MST" for "Multiple Spanning Tree."
show spanning-tree mst configuration	April 10, 2002	The term "configuration" in this context refers to the parameters of the MST region currently operating on this particular platform. IEEE Std 802.1Q (2003) § 13.2 discusses these "configuration parameters."
show spanning-tree mst interface	April 10, 2002	The term "interface" in this context refers to the MST specific parameters currently available at a particular interface. Port States and parameters are defined in IEEE Std

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		802.1Q, 2003 Edition (for example, in Section 13.12) and subsequent versions of the standard.
spanning-tree transmit hold-count	February 18, 2005	The term "transmit hold-count" refers to TxHoldCount, a variable of the Port Transmit State Machine, defined in IEEE Std 802.1W (2001) at Section 17.27. IEEE Std 802.1D (2004) § 14.8.1 also discusses the "TxHoldCount" variable.
show spanning-tree root	November 2, 2005	The term "root" refers to the information of the Switch selected as the Designated Root bridge. Root bridge selection process is defined in IEEE Std 802.1D (1990) at Section 4.6.8.
show spanning-tree blockedports	December 11, 2006	The term "blockedports" refers to the interfaces/ports that are in Blocking State after Spanning Tree Algorithm removes loops thru redundant links. This is described in IEEE Std 802.1D-1990 at in Sections 4.3 and Section 4.4 (discussing the "blocking" state of a Port).
show spanning-tree bridge	December 11, 2006	The term "bridge" in this context refers to the information about the spanning tree instance running on the device itself. The term "bridge" is a well-known networking term to represent a Layer 2 / Ethernet device.

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spanning-tree bridge assurance	October 16, 2007	

F.   Virtual Local Area Network ("VLAN") and Private Virtual LAN ("PVLAN")

22.   A local area network, or LAN, provides the nodes connected to it with direct (Layer 2) access to one another. It is usually comprised of one or more Ethernet switches. Computers on different LANs talk to each other using Layer 3 (IP), via a router. A virtual LAN ("VLAN") abstracts the idea of the LAN. A VLAN might comprise a subset of the ports on a single switch or subsets of ports on multiple switches. By default, systems on one VLAN don't see the traffic associated with systems on other VLANs on the same network. VLANs allow network administrators to partition their networks to match the functional and security requirements of their systems without having to run new cables or make major changes in their current network infrastructure.

23.   IEEE Std 802.1Q-2005 (also called "dot1q" in the industry) is the most commonly used standard defining VLANs on an Ethernet network. However, Virtual LANs have been discussed in earlier publications, such as RFC 2674 (Aug. 1999) ("Definitions of Managed Objects for Bridges with Traffic Classes, Multicast Filtering and Virtual LAN Extensions"). IEEE Std 802.3ac-1998 also addressed VLANS as specified in IEEE 802.1Q.

24.   Private VLAN ("PVLAN") is a technique in computer networking where a VLAN contains switch ports that are restricted such that they can only communicate with a given "uplink". The restricted ports are called "private ports." Each private VLAN typically contains many private ports, and a single uplink. The uplink will typically be a port (or link aggregation group) connected to a router, firewall, server, provider network, or similar central

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resource. As a result, direct peer-to-peer traffic between peers through the switch is blocked, and any such communication must go through the uplink. While private VLANs provide isolation between peers at the data link layer, communication at higher layers may still be possible depending on further network configuration.

25.   The following CLI commands in this litigation provide functionality relating to VLANs (shown in chronological order based on Cisco's purported "earliest document date" for each alleged command):

Disputed "Command"	Earliest Document Date	Additional Opinions
interface vlan	January 15, 1997	The acronym "vlan" is a commonly used term for virtual lan, and is a defined "Abbreviation" in Section 4 of the IEEE Std. 802.1Q-2005. The "interface" command keyword is a commonly used keyword and term that refers to the various interfaces on a switch or router, and is used by many vendors in the industry.
show vlan	July 25, 1997	"show" commands come from prior legacy CLIs, as discussed elsewhere in this Report.
switchport access vlan	April 13, 1998	IEEE Std. 802.1Q § D.1.2 discusses "Access Links" in the VLAN context.
switchport trunk allowed vlan	April 13, 1998	IEEE Std. 802.1Q § D.1.1 discusses "Trunk Links" in the VLAN context.
switchport trunk native vlan	April 13, 1998	The term "native" in this context refers to an untagged vlan, which is defined in IEEE Std. 802.1Q.

show vlan internal usage	November 13, 2001	This command displays the VLANs that are allocated as internal VLANs for routed ports.
show vlan summary	November 13, 2001	The term "summary" in this context refers to the ability to list the number of vlans configured. The number of active vlans in a device is a parameter defined in the IEEE 802.1Q Std at Section 12.7.5, and 12.7.6.1.3.
vlan internal allocation policy	June 26, 2002	The term "internal allocation policy" refers to the allocation sequence of internal vlans used by the network element itself (not user configurable).
switchport vlan mapping	February 6, 2003	The term "mapping" in this context refers to the ability to translate the original vlan number into another as frames are received in a trunk port.

26.   The following CLI commands in this litigation provide functionality relating to

PVLANs (shown in chronological order based on Cisco's purported "earliest document date"

for each alleged command):

Disputed "Command"	Earliest Document Date	Additional Opinions
private-vlan	January 16, 2001	The term "private vlan" is a well-known term to describe a vlan architecture that permits user isolation and restricts their communication while still been part of a single network.
private-vlan mapping	January 16, 2001	The term "mapping" refers to the

		association between a promiscuous vlan with a private vlan.
show vlan private-vlan	January 16, 2001	"show" commands come from prior legacy CLIs, as discussed elsewhere in this Report. *See above* for discussion of other comand keywords.
switchport private-vlan mapping	January 16, 2001	*See above.*

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APPENDIX C - Summary of Industry Usage of Command Modes and Prompts

Cisco Command Mode	Stanford Ethertip/Gateway Modes	Adtran AOS Command Mode	Alcatel Command Mode	Allied Telesis Command Mode	Lucent Command Mode
User EXEC	User	Basic (command security level)	Normal Exec	User Exec	User
Privileged EXEC	Privileged	Enable (command security level)	Privileged Exec	Privileged Exec	Privileged
Global Configuration	N/A	Global (configuration mode)	Global Configuration	Global Configuration	Global
Interface Configuration	N/A	Interface (configuration mode)	Interface Configuration	Interface Configuration	Interface
Cisco Command Prompt	**Stanford Ethertip/Gateway Prompts**	**Adtran AOS Command Prompt**	**Alcatel Command Prompt**	**Allied Telesis Command Prompt**	**Lucent Command Prompt**
router> switch>	>	Router>	Console>	Console>	Cajun>
router# switch#	#	Router#	Console#	Console#	Cajun#
router(config)# switch(config)#	N/A	Router(config)#	Console(config)#	Console(config)#	Cajun (configure)#
router(config-if)# router(config-if)#	N/A	Router(config-interface)#	Console(config-if)#	Console(config-if)#	Cajun (config-if:interface)#

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Nortel NNCLI Command Mode	Avaya ERS 8600 Command Mode	Foundry Command Mode	Brocade Command Mode	Dell Command Mode	Force 10 Command Mode (2008+)
User EXEC	User EXEC	User EXEC	User EXEC	User EXEC	User Exec
Privileged EXEC	Privileged EXEC	Privileged EXEC	Privileged EXEC	Privileged EXEC	Privileged Exec
Global Configuration	Global Configuration	Global CONFIG	Global configuration	Global Configuration	Global Config
Interface Configuration	Interface Configuration	Interface CONFIG	Interface subtype configuration	Interface Configuration	Interface Config
Nortel NNCLI Command Prompt	**Avaya ERS 8600 Command Prompt**	**Foundry Command Prompt**	**Brocade Command Prompt**	**Dell Command Prompt**	**Force 10 Command Prompt**
Passport-8300:5>	ERS-8600:5>	BigIron>	device>	console>	hostname >
Passport-8300:5#	ERS-8600:5#	BigIron#	device#	console#	hostname #
Passport-8300:5(config)#	ERS-8600:5<config>#	BigIron(config)#	device(config)#	console(config)#	hostname (Config)#
Passport-8300:5(config-if)#	ERS-8600<config-if>#	BigIron(config-if-5/1)#	device(config-if-e1000-1/1/1)#	console(config-if)#	hostname (conf-if-vl-vlan-id)#

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D-Link CLI Command Mode	Edge-Core CLI Command Mode	Ericsson (2006) CLI Command Mode	Ericsson (2009) CLI Command Mode	Redback CLI Command Mode	Extreme Networks CLI Command Mode
User EXEC	Normal EXEC	Normal EXEC	User EXEC	Exec (privilege level < 6)	User Exec (or USER EXEC)
Privileged EXEC	Privileged EXEC	Privileged EXEC	Privileged EXEC	Exec (privilege level 6+)	Privileged Exec (or PRIV EXEC)
Global Configuration	Global Configuration	Global Configuration	Global Configuration	Global Configuration	Global Configuration
Interface Configuration	Interface Configuration	Interface Configuration	Interface Configuration	Interface Configuration	Interface Configuration
D-Link CLI Command Prompt	**Edge-Core CLI Command Prompt**	**Ericsson (2006) CLI Command Prompt**	**Ericsson (2009) CLI Command Prompt**	**Redback CLI Command Prompt**	**Extreme Networks CLI Command Prompt**
Console>	Console>	Console>	esn212>	>	WMController>
Console#	Console#	Console#	esn212#	#	WMController#
Console(config)#	Console(config)#	Console(config)#	esn212(config)#	(config)#	WMController(config)#
Console(config-if)#	Console(config-if)#	Console(config-if)#	esn212(config-if)#	(config-if)#	WMController(config-if)#

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HP ProCurve CLI Command Mode	Unisphere CLI Command Mode	Juniper JUNOSe CLI Command Mode	ISCLI Command Mode	NETGEAR ProSAFE Command Mode	NextHop Command Mode
User EXEC	User EXEC	User EXEC	User EXEC	User EXEC	User Execution
Privileged Exec	Privileged Exec	Privileged EXEC	Privileged Exec	Privileged Exec	Privileged Execution
CONFIG ("global CONFIG" level)	Global Configuration	Global Configuration	Global Configuration	Global Config	Global Configuration
CONFIG ("interface level")	Interface Configuration	Interface Configuration	Interface Port Configuration	Interface Config	Interface Configuration
HP ProCurve CLI Command Prompt	**Unisphere CLI Command Prompt**	**Juniper JUNOSe CLI Command Prompt**	**ISCLI Command Prompt**	**NETGEAR ProSAFE Command Prompt**	**NextHop Command Prompt**
HP9300>	ERX-0-1-90>	host1>	G8000>	Switch>	routerz>
HP9300#	ERX-0-1-90#	host1#	G8000#	Switch#	routerz#
HP9300(config)#	ERX-0-1-90(config)#	host1(config)#	G8000(config)#	Switch (Config)#	routerz(config)#
HP9300(config-if-5/1)#	ERX-0-1-90(config-if)#	host1(config-if)#	G8000(config-if)#	Switch (Interface <unit/slot/port>)#	routerz(config-if)#

APPENDIX C - Summary of Industry Usage of Command Modes and Prompts

Oracle/Sun Command Mode (2012)	Procket Command Mode
User EXEC	Operations command mode (Non-Privileged)
Privileged EXEC	Operations command mode (Privileged)
Global Configuration	Configuration command mode
Interface Configuration	Interface subcommand mode
Oracle/Sun Command Prompt (2012)	**Procket Command Prompt**
SEFOS>	Router>
SEFOS#	Router#
SEFOS(config)#	Router(config)#
SEFOS(config-if)#	Router(config-if)#

APPENDIX D - First Command Word Hierarchy Usage by Vendors

	# Vendors	ADTRAN	Alcatel/ALU	Allied Telesis	Avaya	Brocade	Dell	D-Link	Edge-Core	Ericsson	Extreme Networks	Foundry Networks	HP
aaa	13	SUPPORTED	SUPPORTED	SUPPORTED		SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED		SUPPORTED	SUPPORTED	SUPPORTED
address-family	10	SUPPORTED				SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED			SUPPORTED	SUPPORTED
aggregate-address	10				SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED			SUPPORTED	SUPPORTED
area	16	SUPPORTED			SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED
arp	15	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED
banner	13	SUPPORTED		SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED		SUPPORTED	SUPPORTED	SUPPORTED
bfd	4					SUPPORTED	SUPPORTED	SUPPORTED					
bgp	8	SUPPORTED			SUPPORTED		SUPPORTED	SUPPORTED	SUPPORTED				SUPPORTED
boot	15	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED
channel-group	10		SUPPORTED	SUPPORTED		SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED		
class-map	9		SUPPORTED	SUPPORTED		SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED			
clear	18	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED
clock	15	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED
control-plane	2						SUPPORTED						
default-information	12	SUPPORTED		SUPPORTED	SUPPORTED		SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED			
default-metric	11		SUPPORTED			SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED			SUPPORTED	SUPPORTED
distance	13	SUPPORTED				SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED		SUPPORTED	SUPPORTED	SUPPORTED
domain-id	3								SUPPORTED			SUPPORTED	
dot1x	13		SUPPORTED	SUPPORTED		SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED
enable	18	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED
erase	11			SUPPORTED			SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED
errdisable	6		SUPPORTED				SUPPORTED		SUPPORTED		SUPPORTED	SUPPORTED	
flowcontrol	11	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED		SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED			SUPPORTED
interface	18	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED
ip	18	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED
ipv6	16	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED			SUPPORTED	SUPPORTED
is-type	5				SUPPORTED		SUPPORTED					SUPPORTED	
isis	7				SUPPORTED		SUPPORTED					SUPPORTED	SUPPORTED
lacp	14		SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED		SUPPORTED	SUPPORTED
link	5	SUPPORTED					SUPPORTED	SUPPORTED					SUPPORTED
lldp	13	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED		SUPPORTED		
load-interval	4											SUPPORTED	SUPPORTED
log-adjacency-changes	4						SUPPORTED					SUPPORTED	
logging	15	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED		SUPPORTED	SUPPORTED
mac	13	SUPPORTED	SUPPORTED	SUPPORTED		SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED
max-connections	0												
maximum-paths	11					SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED			SUPPORTED	SUPPORTED
neighbor	14	SUPPORTED			SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED
network	17	SUPPORTED		SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED
no	17		SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED
ntp	11	SUPPORTED	SUPPORTED		SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED		SUPPORTED		
passive-interface	8			SUPPORTED			SUPPORTED	SUPPORTED	SUPPORTED		SUPPORTED		
policy-map	9		SUPPORTED	SUPPORTED		SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED			
port-channel	10	SUPPORTED		SUPPORTED		SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED		SUPPORTED		
priority-flow-control	4						SUPPORTED		SUPPORTED	SUPPORTED			
private-vlan	8			SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED		SUPPORTED	SUPPORTED	SUPPORTED		
ptp	1												
radius-server	14	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED
redundancy	6						SUPPORTED	SUPPORTED			SUPPORTED		SUPPORTED
route-map	13	SUPPORTED			SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED		SUPPORTED	SUPPORTED	SUPPORTED
router	16	SUPPORTED		SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED
router-id	14				SUPPORTED		SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED
routing-context	0												
service	15	SUPPORTED	SUPPORTED	SUPPORTED			SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED
set-overload-bit	3						SUPPORTED					SUPPORTED	
show	18	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED
snmp	11		SUPPORTED	SUPPORTED	SUPPORTED		SUPPORTED	SUPPORTED	SUPPORTED			SUPPORTED	SUPPORTED
snmp-server	17	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED
spf-interval	4						SUPPORTED					SUPPORTED	
statistics	3				SUPPORTED								SUPPORTED
storm-control	9	SUPPORTED		SUPPORTED			SUPPORTED	SUPPORTED	SUPPORTED		SUPPORTED		
switchport	12	SUPPORTED	SUPPORTED	SUPPORTED		SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED		
tacacs-server	14	SUPPORTED	SUPPORTED	SUPPORTED			SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED			SUPPORTED	SUPPORTED
terminal	14		SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED			SUPPORTED	SUPPORTED	SUPPORTED
timers	16			SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED
username	14	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED
vlan	16	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED
vrf	7	SUPPORTED	SUPPORTED		SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED				SUPPORTED	
vrrp	8	SUPPORTED	SUPPORTED				SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED		SUPPORTED
Total:		38	33	39	38	48	61	58	52	33	39	46	47

APPENDIX D - First Command Word Hierarchy Usage by Vendors

IBM	Juniper JUNOSe	NETGEAR	NextHop Techs.	Procket Networks	Sun/Oracle
	SUPPORTED	SUPPORTED		SUPPORTED	
	SUPPORTED		SUPPORTED	SUPPORTED	
SUPPORTED	SUPPORTED		SUPPORTED		
SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED
	SUPPORTED	SUPPORTED			SUPPORTED
SUPPORTED	SUPPORTED			SUPPORTED	
	SUPPORTED				
	SUPPORTED		SUPPORTED		
SUPPORTED	SUPPORTED	SUPPORTED			
	SUPPORTED				SUPPORTED
		SUPPORTED			SUPPORTED
SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED
	SUPPORTED	SUPPORTED		SUPPORTED	
	SUPPORTED				
SUPPORTED	SUPPORTED	SUPPORTED		SUPPORTED	SUPPORTED
	SUPPORTED	SUPPORTED	SUPPORTED		SUPPORTED
	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED
	SUPPORTED				
SUPPORTED		SUPPORTED			SUPPORTED
SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED
	SUPPORTED	SUPPORTED		SUPPORTED	
SUPPORTED					
SUPPORTED		SUPPORTED			
SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED
SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED
SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED
	SUPPORTED		SUPPORTED		
	SUPPORTED		SUPPORTED		
SUPPORTED	SUPPORTED	SUPPORTED			SUPPORTED
	SUPPORTED				
SUPPORTED		SUPPORTED			SUPPORTED
	SUPPORTED			SUPPORTED	
	SUPPORTED			SUPPORTED	
SUPPORTED		SUPPORTED		SUPPORTED	
		SUPPORTED			SUPPORTED
SUPPORTED	SUPPORTED	SUPPORTED		SUPPORTED	SUPPORTED
SUPPORTED	SUPPORTED		SUPPORTED	SUPPORTED	
SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED
SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED
SUPPORTED	SUPPORTED			SUPPORTED	
		SUPPORTED	SUPPORTED		
		SUPPORTED			SUPPORTED
SUPPORTED		SUPPORTED			SUPPORTED
		SUPPORTED			
SUPPORTED					
SUPPORTED					
SUPPORTED				SUPPORTED	
	SUPPORTED			SUPPORTED	
SUPPORTED	SUPPORTED		SUPPORTED	SUPPORTED	SUPPORTED
SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	
SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED
	SUPPORTED	SUPPORTED		SUPPORTED	SUPPORTED
			SUPPORTED		
SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED
	SUPPORTED	SUPPORTED			SUPPORTED
SUPPORTED	SUPPORTED	SUPPORTED		SUPPORTED	SUPPORTED
	SUPPORTED		SUPPORTED		
	SUPPORTED				
SUPPORTED		SUPPORTED			SUPPORTED
SUPPORTED		SUPPORTED			SUPPORTED
SUPPORTED	SUPPORTED	SUPPORTED		SUPPORTED	
	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	
SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	SUPPORTED	
	SUPPORTED	SUPPORTED			
SUPPORTED	SUPPORTED	SUPPORTED			SUPPORTED
35	48	41	25	31	30

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APPENDIX E - Two-Level Hierarchy Usage by Vendors

	# Vendors	ADTRAN	Alcatel/ALU	Allied Telesis	Avaya	Brocade	Dell	D-Link	Edge-Core	Ericsson	Extreme Networks
aaa accounting	10	YES	YES	YES		YES	YES	YES	YES		
aaa authentication	12	YES	YES	YES		YES	YES	YES	YES		YES
aaa authorization	8	YES				YES	YES	YES	YES		
arp timeout	10		YES	YES	YES		YES	YES	YES		YES
banner motd	9	YES		YES		YES	YES	YES			YES
boot system	12	YES	YES	YES		YES	YES		YES	YES	YES
clear arp-cache	11	YES	YES	YES	YES		YES	YES	YES		YES
clear counters	12	YES	YES	YES		YES	YES	YES	YES	YES	YES
clear ip	15	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
clear ipv6	12	YES	YES	YES	YES	YES	YES	YES	YES		
clear lldp	9		YES	YES		YES	YES		YES		YES
clear spanning-tree	9	YES	YES	YES		YES	YES	YES			YES
clock set	12		YES	YES	YES	YES	YES	YES	YES		YES
clock timezone	11		YES	YES		YES	YES	YES	YES	YES	
default-information originate	10	YES		YES	YES		YES	YES	YES	YES	
dot1x port-control	9		YES	YES		YES	YES	YES	YES	YES	
dot1x system-auth-control	8		YES	YES			YES	YES	YES	YES	
dot1x timeout	8		YES	YES		YES	YES	YES	YES	YES	
erase startup-config	8		YES			YES	YES		YES		YES
interface loopback	9				YES	YES	YES		YES		YES
interface vlan	10		YES	YES	YES	YES	YES	YES	YES	YES	YES
ip access-group	10	YES				YES	YES	YES	YES	YES	YES
ip access-list	11		YES	YES	YES	YES	YES	YES	YES		YES
ip address	15	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
ip as-path	7					YES	YES	YES	YES		
ip community-list	8				YES	YES	YES	YES	YES		
ip dhcp	13	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
ip domain-name	9		YES	YES	YES		YES		YES	YES	YES
ip helper-address	8					YES	YES	YES	YES		YES
ip http	11		YES	YES		YES	YES	YES	YES	YES	YES
ip icmp	10				YES	YES	YES		YES		YES
ip igmp	15	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
ip multicast	7		YES			YES	YES	YES			
ip multicast-routing	8					YES	YES	YES	YES	YES	
ip name-server	10		YES	YES	YES		YES	YES	YES	YES	YES
ip ospf	14	YES	YES		YES	YES	YES	YES	YES	YES	YES
ip pim	12		YES		YES	YES	YES	YES	YES	YES	YES
ip prefix-list	9	YES			YES	YES	YES	YES	YES		
ip proxy-arp	10					YES	YES	YES	YES	YES	YES
ip radius	7	YES		YES		YES	YES	YES			
ip rip	14	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
ip route	13	YES		YES	YES	YES	YES	YES	YES	YES	YES
ip routing	8			YES		YES	YES			YES	YES
ipv6 access-list	10		YES	YES		YES	YES	YES	YES		
ipv6 address	12	YES	YES	YES	YES	YES	YES	YES	YES		
ipv6 enable	9		YES			YES	YES	YES	YES		
ipv6 nd	11	YES		YES	YES	YES	YES	YES	YES		
ipv6 neighbor	10	YES	YES	YES	YES	YES	YES	YES	YES		
ipv6 ospf	10		YES		YES	YES	YES	YES	YES		
ipv6 prefix-list	8	YES			YES	YES	YES	YES	YES		
ipv6 route	11	YES		YES	YES	YES	YES	YES	YES		
ipv6 router	7					YES	YES	YES	YES	YES	
lacp system-priority	8		YES	YES	YES	YES	YES	YES			
lldp transmit	8	YES	YES			YES	YES	YES			YES
logging host	8					YES	YES		YES	YES	YES
mac access-group	10		YES			YES	YES	YES	YES	YES	YES
mac access-list	9		YES	YES		YES	YES	YES	YES		YES
mac-address-table aging-time	8	YES				YES	YES	YES	YES	YES	
mac-address-table static	7					YES	YES	YES	YES	YES	
no snmp-server	14		YES	YES	YES	YES	YES	YES	YES	YES	YES
ntp server	9	YES	YES		YES	YES	YES	YES	YES		YES
port-channel load-balance	8	YES		YES			YES	YES	YES		YES
radius-server host	9	YES	YES	YES		YES	YES	YES			YES
radius-server key	11	YES	YES	YES		YES	YES	YES	YES	YES	YES
radius-server retransmit	10		YES	YES		YES	YES	YES	YES	YES	YES
radius-server timeout	11	YES	YES	YES		YES	YES	YES	YES	YES	YES
router bgp	8				YES	YES	YES	YES	YES		
router ospf	12	YES			YES	YES	YES	YES	YES	YES	YES
router rip	12		YES		YES	YES	YES	YES	YES	YES	YES
show aaa	9		YES			YES	YES	YES	YES		
show arp	14	YES	YES	YES	YES	YES	YES	YES	YES		YES
show clock	14	YES	YES	YES	YES	YES	YES	YES	YES		YES
show dot1x	12		YES	YES		YES	YES	YES	YES	YES	YES
show environment	6					YES	YES	YES	YES		YES
show hosts	10	YES	YES	YES	YES		YES	YES	YES		
show interfaces	15	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
show ip	15	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
show ipv6	13	YES	YES	YES	YES	YES	YES	YES	YES		
show lacp	11		YES	YES	YES	YES	YES		YES	YES	YES
show lldp	12	YES	YES	YES	YES	YES	YES	YES	YES		YES
show mac	9	YES		YES			YES	YES	YES	YES	YES
show mac-address-table	10		YES		YES	YES	YES	YES	YES	YES	YES
show monitor	9	YES				YES	YES	YES	YES		
show ntp	8		YES	YES	YES	YES	YES	YES			YES
show policy-map	9		YES	YES			YES	YES	YES	YES	
show port-security	9	YES	YES	YES		YES	YES	YES	YES		
show qos	11	YES	YES	YES	YES	YES	YES		YES		
show radius	10		YES	YES	YES		YES	YES	YES		YES
show route-map	11	YES			YES	YES	YES	YES	YES		YES
show snmp	11		YES	YES		YES	YES	YES	YES		YES
show spanning-tree	14	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
show storm-control	9	YES		YES	YES	YES	YES	YES	YES		
show tacacs	10		YES	YES	YES		YES	YES	YES		YES
show users	14	YES	YES	YES	YES	YES	YES	YES	YES		YES
show version	11		YES	YES		YES	YES	YES	YES		YES
show vlan	15	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
show vrrp	9	YES	YES	YES		YES	YES	YES	YES	YES	
snmp trap	10		YES	YES	YES	YES	YES	YES	YES		
snmp-server community	15	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
snmp-server contact	14	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
snmp-server enable	15	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
snmp-server group	12	YES	YES	YES	YES	YES	YES	YES	YES	YES	
snmp-server host	12	YES	YES	YES	YES	YES	YES	YES	YES		
snmp-server location	13		YES	YES	YES	YES	YES	YES	YES	YES	YES
snmp-server user	11	YES	YES	YES	YES	YES	YES	YES	YES		
snmp-server view	12	YES	YES	YES	YES	YES	YES	YES	YES	YES	
spanning-tree bpduguard	9	YES	YES	YES				YES	YES		YES
spanning-tree cost	9		YES	YES		YES	YES	YES	YES	YES	
spanning-tree guard	9		YES	YES		YES	YES	YES	YES		YES
spanning-tree link-type	11	YES	YES	YES		YES	YES	YES	YES	YES	YES
spanning-tree mode	10	YES	YES	YES	YES		YES	YES	YES	YES	
spanning-tree mst	9		YES	YES			YES	YES	YES	YES	YES
spanning-tree portfast	8		YES	YES		YES	YES	YES		YES	YES
spanning-tree port-priority	8		YES	YES			YES	YES	YES	YES	
switchport mode	10	YES	YES	YES		YES	YES	YES	YES	YES	
switchport trunk	7	YES	YES	YES		YES	YES	YES			YES
tacacs-server host	12	YES	YES	YES		YES	YES	YES	YES	YES	
tacacs-server key	12	YES	YES	YES		YES	YES	YES	YES	YES	
tacacs-server timeout	11	YES	YES	YES		YES	YES	YES	YES		
terminal length	9				YES	YES	YES		YES		YES

APPENDIX E - Two-Level Hierarchy Usage by Vendors

Foundry Networks	HP	Juniper JUNOSe	NETGEAR	Sun/Oracle
YES	YES	YES		
YES	YES	YES	YES	
YES	YES	YES		
		YES	YES	YES
YES	YES	YES		
YES	YES	YES	YES	
	YES		YES	YES
	YES		YES	YES
YES	YES	YES	YES	YES
YES	YES	YES	YES	
	YES		YES	YES
	YES			YES
YES	YES	YES	YES	
YES	YES	YES	YES	
		YES	YES	YES
YES				YES
			YES	YES
				YES
YES	YES		YES	
YES	YES	YES	YES	
			YES	
YES	YES			YES
YES	YES		YES	
YES	YES	YES	YES	YES
YES	YES	YES		
YES	YES	YES		
	YES		YES	YES
	YES	YES		
YES	YES		YES	
		YES	YES	YES
YES	YES	YES	YES	YES
YES	YES	YES	YES	YES
YES		YES	YES	
YES	YES	YES		
	YES	YES		
YES	YES	YES	YES	YES
YES	YES	YES	YES	
YES	YES	YES		
YES	YES	YES	YES	
YES	YES			
YES	YES	YES		YES
YES	YES		YES	YES
	YES		YES	YES
YES	YES	YES	YES	
YES	YES	YES	YES	
YES	YES	YES	YES	
YES	YES	YES	YES	
YES		YES		
YES	YES	YES	YES	
YES	YES	YES		
YES	YES	YES	YES	
YES		YES	YES	
YES				YES
			YES	YES
YES	YES		YES	
YES			YES	YES
			YES	YES
				YES
				YES
YES	YES	YES	YES	YES
		YES		
			YES	YES
YES	YES			
YES	YES			
YES	YES			
YES	YES			
YES	YES	YES		
YES	YES	YES	YES	
YES	YES	YES	YES	
YES	YES	YES	YES	
YES	YES	YES	YES	YES
YES	YES	YES	YES	YES
YES	YES		YES	YES
		YES		
	YES	YES	YES	
YES	YES	YES	YES	YES
YES	YES	YES	YES	YES
YES	YES	YES	YES	YES
	YES		YES	YES
	YES		YES	YES
YES			YES	
			YES	YES
YES	YES		YES	YES
		YES		
YES			YES	YES
	YES		YES	
YES	YES	YES		YES
	YES	YES	YES	YES
YES	YES	YES		YES
YES	YES	YES		YES
YES	YES		YES	YES
			YES	YES
	YES	YES	YES	
YES	YES	YES	YES	YES
YES	YES	YES	YES	
YES	YES	YES	YES	YES
	YES			
	YES	YES	YES	YES
YES	YES	YES	YES	YES
YES	YES	YES	YES	
YES	YES	YES	YES	YES
YES	YES	YES		
YES	YES	YES		
YES	YES	YES	YES	
	YES	YES		
YES	YES	YES		
	YES		YES	YES
	YES			YES
			YES	YES
	YES			YES
	YES			YES
			YES	YES
				YES
	YES			YES
				YES
YES	YES	YES	YES	
YES	YES	YES	YES	
YES	YES	YES	NETGEAR	
YES	YES	YES	YES	

APPENDIX F - First Two Command Keywords, Ranked by Vendors Supporting

First Two Command Keywords	# Vendors Supported (not incl. Cisco or Arista)
show ip	18
clear ip	17
ip igmp	17
snmp-server community	17
ip ospf	16
ip rip	16
no snmp-server	16
show ipv6	16
show vlan	16
snmp-server enable	16
clear ipv6	15
ip address	15
ip route	15
router rip	15
show arp	15
show clock	15
show interfaces	15
show spanning-tree	15
show users	15
snmp-server contact	15
ip dhcp	14
ip pim	14
router ospf	14
snmp-server location	14
clear counters	13
ipv6 address	13
ipv6 nd	13
ipv6 route	13
show dot1x	13
show lacp	13
show lldp	13
show version	13
snmp-server group	13
snmp-server host	13
snmp-server view	13
tacacs-server host	13
tacacs-server key	13
aaa authentication	12
boot system	12
clock set	12

APPENDIX F - First Two Command Keywords, Ranked by Vendors Supporting

clock timezone	12
ip access-list	12
radius-server key	12
radius-server retransmit	12
radius-server timeout	12
show qos	12
show snmp	12
snmp-server user	12
spanning-tree link-type	12
tacacs-server timeout	12
aaa accounting	11
clear arp-cache	11
default-information originate	11
interface loopback	11
ip http	11
ipv6 access-list	11
ipv6 neighbor	11
ipv6 ospf	11
show hosts	11
show mac-address-table	11
show radius	11
show route-map	11
show tacacs	11
spanning-tree mode	11
switchport mode	11
terminal length	11
arp timeout	10
banner motd	10
interface vlan	10
ip access-group	10
ip icmp	10
ip name-server	10
ip prefix-list	10
ip proxy-arp	10
ipv6 router	10
logging host	10
mac access-group	10
ntp server	10
router bgp	10
show monitor	10
show ntp	10
snmp trap	10
spanning-tree guard	10

APPENDIX F - First Two Command Keywords, Ranked by Vendors Supporting

spanning-tree mst	10
aaa authorization	9
clear lldp	9
clear spanning-tree	9
dot1x port-control	9
ip community-list	9
ip domain-name	9
ip routing	9
ipv6 enable	9
ipv6 prefix-list	9
lacp system-priority	9
mac access-list	9
radius-server host	9
show aaa	9
show mac	9
show policy-map	9
show port-security	9
show storm-control	9
show vrrp	9
spanning-tree bpduguard	9
spanning-tree cost	9
spanning-tree portfast	9
dot1x system-auth-control	8
dot1x timeout	8
erase startup-config	8
ip as-path	8
ip helper-address	8
ip multicast	8
ip multicast-routing	8
ip radius	8
lldp transmit	8
mac-address-table aging-time	8
mac-address-table static	8
port-channel load-balance	8
show environment	8
spanning-tree port-priority	8
switchport trunk	8
banner login	7
bgp cluster-id	7
ip extcommunity-list	7
ip host	7
ip tacacs	7
ipv6 access-group	7

APPENDIX F - First Two Command Keywords, Ranked by Vendors Supporting

ipv6 dhcp	7
ipv6 host	7
ipv6 unicast-routing	7
lacp port-priority	7
lldp receive	7
ntp authentication-key	7
show isis	7
show redundancy	7
timers basic	7
bgp confederation	6
clear mac-address-table	6
distance bgp	6
errdisable recovery	6
interface ethernet	6
ntp authenticate	6
radius-server deadtime	6
show port-channel	6
show privilege	6
snmp-server engineID	6
spanning-tree bpdufilter	6
switchport access	6
switchport private-vlan	6
bgp client-to-client	5
bgp log-neighbor-changes	5
interface port-channel	5
ip local-proxy-arp	5
ip nat	5
lldp run	5
router isis	5
show dot1q-tunnel	5
show reload	5
timers bgp	5

APPENDIX G - Summary of Disputed CLI Command Usage by Vendors

Disputed CLI Command (or Command Fragment)	Vendors Supporting Command (Not Including Cisco or Arista)*
ip address	17
snmp-server community	17
show users	16
show ip route	16
snmp-server contact	16
snmp-server location	16
show ip ospf interface	16
show clock	16
ip route	15
clock set	15
ipv6 address	15
snmp-server enable traps	15
show ip interface	15
show arp	15
show version	14
snmp-server host	14
tacacs-server key	14
snmp-server user	14
default-information originate (OSPF)	14
show ip ospf	14
show vlan	14
show ip ospf neighbor	14
snmp-server group	14
clock timezone	14
snmp-server view	14
tacacs-server host	14
show spanning-tree	14
ip name-server	13
clear counters	13
maximum-paths	13
terminal length	13
ip access-group	13
router bgp	13
default-metric (OSPF)	12
clear arp-cache	12
ip ospf dead-interval	12
aaa accounting	12
show ip bgp	12
area range	12
aaa authentication login	12
show ip route summary	12
ip ospf hello-interval	12
show ipv6 interface	12

APPENDIX G - Summary of Disputed CLI Command Usage by Vendors

show interfaces	12
show ipv6 route	12
show ip bgp neighbors	12
boot system	12
ipv6 route	12
route-map	12
ip ospf cost	12
router ospf	12
tacacs-server timeout	12
interface ethernet	11
default-metric (OSPFv3)	11
show snmp user	11
area stub	11
show ip interface brief	11
ip ospf priority	11
show privilege	11
ip ospf retransmit-interval	11
ip domain lookup	11
ip routing	11
spanning-tree mode	11
ipv6 access-list	11
show ip pim interface	11
lacp system-priority	11
show mac-address-table	11
router rip	11
show route-map	11
show dot1x	11
interface vlan	11
show hosts	11
spanning-tree link-type	11
default-information originate (OSPFv3)	11
show ip bgp summary	11
show snmp engineID	10
lacp port-priority	10
ip igmp snooping	10
show ip igmp groups	10
arp timeout	10
show ip igmp interface	10
ipv6 ospf area	10
dot1x port-control	10
spanning-tree bpduguard	10
mac-address-table aging-time	10
show port-security	10
area default-cost	10
show dot1x statistics	10
show ip pim neighbor	10
ipv6 nd ra lifetime	10

APPENDIX G - Summary of Disputed CLI Command Usage by Vendors

area nssa	10
snmp-server engineID local	10
interface loopback	10
ip helper-address	10
show ipv6 route summary	10
spanning-tree cost	10
show lldp	10
ip ospf transmit-delay	10
area range (OSPFv3)	10
show ip access-lists	10
spanning-tree mst configuration	9
show monitor session	9
show ipv6 neighbors	9
logging host	9
show spanning-tree mst configuration	9
mac access-group	9
dot1x timeout tx-period	9
maximum-paths (OSPFv3)	9
show ipv6 ospf neighbor	9
no snmp-server	9
show snmp	9
ip pim dr-priority	9
ip access-list	9
router-id	9
switchport mode	9
ip proxy-arp	9
area stub (OSPFv3)	9
show interfaces status	9
show ipv6 ospf interface	9
show interfaces switchport	9
show mac-address-table aging time	9
ipv6 nd managed-config-flag	9
show radius	9
show ip igmp snooping	9
show snmp group	9
show ip igmp snooping mrouter	9
show tacacs	9
show ip mroute	9
ip host	9
dot1x reauthentication	9
storm-control	9
show ip ospf border-routers	9
ip igmp query-interval	9
dot1x timeout reauth-period	9
ipv6 nd ra interval	9
ip domain-name	8
ipv6 ospf priority	8

APPENDIX G - Summary of Disputed CLI Command Usage by Vendors

ipv6 ospf dead-interval	8
ip ospf authentication-key	8
show storm-control	8
channel-group	8
switchport access vlan	8
banner motd	8
radius-server timeout	8
show ip bgp peer-group	8
show spanning-tree blockedports	8
show ip dhcp snooping	8
ip dhcp snooping	8
ipv6 nd ns-interval	8
spanning-tree port-priority	8
ipv6 nd other-config-flag	8
radius-server key	8
area default-cost (OSPFv3)	8
ipv6 ospf hello-interval	8
show ip ospf database database-summary	8
clear ipv6 neighbors	8
dot1x system-auth-control	8
interface port-channel	8
dot1x timeout quiet-period	8
show spanning-tree interface	8
show ip pim rp-hash	8
address-family	8
ipv6 nd reachable-time	8
ip dhcp snooping vlan	8
show lldp neighbors	8
ipv6 router ospf	8
ipv6 ospf cost	8
area nssa (OSPFv3)	8
radius-server host	8
area nssa default-information-originate	8
mac-address-table static	8
show mac-address-table count	8
ipv6 ospf transmit-delay	7
ip ospf network	7
aggregate-address	7
port-channel load-balance	7
ntp server	7
ipv6 neighbor	7
ip prefix-list	7
show lacp counters	7
ip nat pool	7
ip multicast-routing	7
lldp receive	7
neighbor next-hop-self	7

APPENDIX G - Summary of Disputed CLI Command Usage by Vendors

switchport trunk native vlan	7
show ntp status	7
area nssa no-summary	7
neighbor remote-as	7
show vrrp	7
ip igmp version	7
ipv6 enable	7
show ip arp	7
ip igmp last-member-query-interval	7
show reload	7
ip igmp snooping querier	7
ip ospf authentication	7
router-id (OSPFv3)	7
neighbor shutdown	7
switchport trunk allowed vlan	7
show ip bgp community	7
show ipv6 ospf	7
ip radius source-interface	7
spanning-tree bpdufilter	6
router isis	6
area nssa default-information-originate (OSPFv3)	6
show qos maps	6
show ip helper-address	6
log-adjacency-changes (IS-IS)	6
ipv6 ospf retransmit- interval	6
show vlan internal usage	6
lldp transmit	6
show vlan private-vlan	6
switchport private-vlan mapping	6
neighbor password	6
clear mac-address-table dynamic	6
banner login	6
is-type	6
ipv6 nd prefix	6
passive-interface (OSPFv3)	6
lldp run	6
show policy-map interface	6
ipv6 prefix-list	6
show ipv6 access-list	6
ipv6 ospf network	6
passive-interface	6
show ip igmp snooping groups	6
show dot1q-tunnel	6
clear ip bgp	6
ipv6 host	6
show ip nat translations	6
log-adjacency-changes	6

APPENDIX G - Summary of Disputed CLI Command Usage by Vendors

neighbor timers	6
network area	6
neighbor route-reflector-client	6
spanning-tree guard	5
show ip bgp regexp	5
ip pim rp-address	5
ip pim rp-candidate	5
show ip extcommunity-list	5
private-vlan	5
ntp authentication-key	5
radius-server deadtime	5
errdisable recovery cause	5
radius-server retransmit	5
show ip community-list	5
ip access-list standard	5
distance bgp	5
show isis database	5
neighbor weight	5
show isis interface	5
ip igmp query-max-response-time	5
ipv6 unicast-routing	5
ip nat translation udp-timeout	5
show mac access-lists	5
neighbor activate	5
ip igmp static-group	5
neighbor default-originate	5
show ntp associations	5
neighbor description	5
ip tacacs source-interface	5
neighbor ebgp-multihop	5
lldp timer	5
neighbor route-map	5
ipv6 dhcp relay destination	5
neighbor update-source	5
show snmp community	5
ntp authenticate	5
show interfaces description	5
show ip prefix-list	5
show snmp view	5
terminal monitor	5
show spanning-tree mst	5
ip nat translation tcp-timeout	5
isis priority	4
timers bgp	4
show inventory	4
ip load-sharing	4
show ip msdp summary	4

APPENDIX G - Summary of Disputed CLI Command Usage by Vendors

show spanning-tree root	4
ip community-list standard	4
show ipv6 prefix-list	4
neighbor remove-private-as	4
ip dhcp snooping information option	4
ip pim sparse-mode	4
set-overload-bit	4
clear spanning-tree counters	4
show ip bgp paths	4
bgp redistribute internal	4
show ipv6 ospf border-routers	4
show interfaces transceiver	4
ipv6 access-group	4
timers basic (RIP)	4
show port-security interface	4
isis metric	4
show vrf	4
show ip msdp peer	4
isis hello-multiplier	4
show ip msdp sa-cache	4
ip local-proxy-arp	4
ip ospf message-digest-key	4
load-interval	4
ip icmp redirect	4
show environment power	4
log-adjacency-changes (OSPFv3)	4
errdisable recovery interval	4
bgp client-to-client reflection	4
snmp-server engineID remote	4
clear ip msdp sa-cache	4
bgp log-neighbor-changes	4
ip pim bsr-candidate	4
neighbor peer-group (assigning members)	4
clear lldp counters	4
neighbor peer-group (creating)	4
bgp cluster-id	4
ip as-path access-list	4
neighbor send-community	4
spf-interval	3
mac-address	3
aaa group server tacacs+	3
show ipv6 bgp	3
neighbor allowas-in	3
show ipv6 bgp summary	3
vrrp preempt	3
ntp trusted-key	3
flowcontrol send	3

APPENDIX G - Summary of Disputed CLI Command Usage by Vendors

ip multicast boundary	3
snmp-server chassis-id	3
passive-interface default	3
neighbor local-as	3
clear ip igmp group	3
ipv6 nd router-preference	3
port-channel min-links	3
show spanning-tree mst interface	3
domain-id	3
flowcontrol receive	3
dot1x pae authenticator	3
mac access-list	3
bgp confederation identifier	3
ip pim spt-threshold	3
isis hello-interval	3
aaa accounting dot1x	3
show module	3
ip igmp snooping vlan	3
clear ip ospf neighbor	3
aaa authorization config-commands	3
bgp confederation peers	3
switchport port-security	3
aaa group server radius	3
show ip rip database	3
clear lldp table	3
show environment temperature	3
show track	3
spanning-tree portfast bpdufilter default	2
vlan internal allocation policy	2
ip msdp mesh-group	2
show port-security address	2
ip igmp startup-query-count	2
show bfd neighbors	2
priority-flow-control mode	2
ip community-list expanded	2
ip msdp sa-filter in	2
show environment all	2
vrrp timers advertise	2
show etherchannel	2
show ip mroute count	2
ip ospf shutdown	2
spanning-tree transmit hold-count	2
show snmp host	2
switchport port-security maximum	2
show snmp trap	2
ip msdp peer	2
lldp reinit	2

APPENDIX G - Summary of Disputed CLI Command Usage by Vendors

isis passive	2
enable secret	2
vrrp ip	2
show interfaces flowcontrol	2
ip igmp snooping vlan static	2
show spanning-tree bridge	2
ip igmp startup-query-interval	2
show interfaces switchport backup	2
ntp source	2
ip igmp last-member-query-count	2
spanning-tree portfast bpduguard default	2
ip msdp sa-filter out	2
spanning-tree vlan	2
ip pim query-interval	2
ip msdp default-peer	2
ip msdp sa-limit	2
neighbor soft-reconfiguration	2
show lacp neighbor	2
ip msdp originator-id	2
show vlan summary	2
show ip pim rp	2
show lldp traffic	2
clear ip mroute	2
show ipv6 bgp neighbors	2
timers throttle spf	2
ip pim ssm range	2
vrrp authentication	2
bfd all-interfaces	2
vrrp priority	2
clear ip nat translation	2
ip igmp snooping vlan immediate-leave	2
ip igmp snooping vlan mrouter	2
timers throttle lsa all	1
ip ospf bfd	1
show port-channel summary	1
show snmp source-interface	1
timers basic	1
show ip msdp mesh-group	1
vrf forwarding	1
spanning-tree loopguard default	1
switchport vlan mapping	1
show ptp clock	1
lldp tlv-select	1
clear ip arp	1
show isis topology	1
lldp holdtime	1
ip msdp shutdown	1

APPENDIX G - Summary of Disputed CLI Command Usage by Vendors

show lacp interface	1
vrrp delay reload	1
aaa authorization console	1
ip pim neighbor-filter	1
show interfaces capabilities	1
show ip ospf request-list	1
ip dhcp smart-relay	1
ipv6 nd ra suppress	1
ipv6 ospf retransmit-interval	1
ip extcommunity-list expanded	1
redundancy force-switchover	1
show mac-address-table aging-time	1
ip msdp description	1
timers lsa arrival	1
switchport backup interface	1
vrrp track	1
ip msdp keepalive	1
vrf definition	1
isis lsp-interval	1
show ip route tag	1
ip extcommunity-list standard	1
art timeout	1
lacp rate	1
show snmp mib	1
ip pim spt-threshold group-list	1
control-plane	1
ip pim bsr-border	1
snmp-server source-interface	1

* Adtran, Alcatel/ALU, Allied Telesis, Avaya, Brocade, Dell, D-Link, Edge-Core, Ericsson, Extreme, Foundry, HP, ISCLI, Juniper, NETGEAR, Procket Networks, Sun/Oracle

Disputed CLI Command (or Command Fragment)	Vendors Supporting Command (HP, Brocade, Alcatel-Lucent, Juniper, and Extreme Only)
show version	5
show ip ospf	5
snmp-server group	5
boot system	5
show ip route	5
clock set	5
snmp-server contact	5
ip address	5
snmp-server location	5
ipv6 address	5

APPENDIX G - Summary of Disputed CLI Command Usage by Vendors

show ip ospf interface	5
show clock	5
show users	5
show interfaces	5
snmp-server community	5
show ip bgp	5
snmp-server enable traps	5
show ip bgp neighbors	5
snmp-server host	5
snmp-server user	5
snmp-server view	5
show ip interface	5
interface ethernet	4
lacp port-priority	4
show snmp user	4
show ip bgp peer-group	4
route-map	4
show ip bgp summary	4
show reload	4
show ip igmp groups	4
show tacacs	4
aaa authentication login	4
show vrrp	4
ip nat pool	4
clock timezone	4
tacacs-server key	4
show ntp status	4
terminal length	4
show route-map	4
ip route	4
show spanning-tree	4
show ip ospf border-routers	4
ipv6 route	4
ipv6 access-list	4
show vlan	4
show ip ospf neighbor	4
aaa accounting	4
show ip pim interface	4
show arp	4
show ip pim neighbor	4
default-information originate (OSPF)	4
banner motd	4
ip access-group	4
show ip route summary	4
tacacs-server host	4
show ip interface brief	4
tacacs-server timeout	4

APPENDIX G - Summary of Disputed CLI Command Usage by Vendors

show ip mroute	4
show ip nat translations	4
ntp server	4
snmp-server engineID local	3
show port-security	3
show ipv6 ospf interface	3
neighbor next-hop-self	3
ip ospf retransmit-interval	3
neighbor remote-as	3
switchport trunk allowed vlan	3
neighbor route-reflector-client	3
show mac-address-table	3
neighbor shutdown	3
ip ospf dead-interval	3
area nssa (OSPFv3)	3
ip proxy-arp	3
neighbor weight	3
clear arp-cache	3
no snmp-server	3
mac-address-table aging-time	3
terminal monitor	3
show lacp counters	3
area range	3
show monitor session	3
router bgp	3
show radius	3
router ospf	3
ip ospf hello-interval	3
router rip	3
ip pim dr-priority	3
area range (OSPFv3)	3
area nssa	3
default-information originate (OSPFv3)	3
ipv6 ospf area	3
default-metric (OSPF)	3
spanning-tree link-type	3
show ip access-lists	3
lldp run	3
default-metric (OSPFv3)	3
neighbor ebgp-multihop	3
errdisable recovery cause	3
show ipv6 route	3
errdisable recovery interval	3
show lldp neighbors	3
area stub	3
show mac-address-table aging time	3
interface loopback	3

APPENDIX G - Summary of Disputed CLI Command Usage by Vendors

ip ospf authentication-key	3
show ip igmp interface	3
show privilege	3
interface vlan	3
ip ospf cost	3
area stub (OSPFv3)	3
show snmp group	3
ip access-list	3
ip ospf priority	3
arp timeout	3
ip ospf transmit-delay	3
ip domain lookup	3
ip prefix-list	3
ip helper-address	3
bgp redistribute internal	3
ip igmp query-interval	3
channel-group	3
ip multicast-routing	3
ipv6 neighbor	3
ip name-server	3
ipv6 prefix-list	3
aggregate-address	3
clear counters	3
show ip pim rp-hash	3
switchport access vlan	3
ip nat translation tcp-timeout	3
switchport trunk native vlan	3
ip nat translation udp-timeout	3
mac access-group	3
show ipv6 access-list	3
maximum-paths	3
show ipv6 interface	3
show ipv6 neighbors	3
neighbor timers	3
area nssa default-information-originate	2
ipv6 nd managed-config-flag	2
domain-id	2
isis metric	2
spf-interval	2
isis priority	2
bgp cluster-id	2
is-type	2
show snmp engineID	2
lacp system-priority	2
ipv6 ospf cost	2
load-interval	2
isis hello-interval	2

APPENDIX G - Summary of Disputed CLI Command Usage by Vendors

log-adjacency-changes (IS-IS)	2
area nssa default-information-originate (OSPFv3)	2
logging host	2
show lldp	2
area nssa no-summary	2
ip routing	2
mac-address-table static	2
show spanning-tree mst configuration	2
interface port-channel	2
ipv6 nd ra interval	2
maximum-paths (OSPFv3)	2
spanning-tree cost	2
neighbor activate	2
ipv6 ospf retransmit- interval	2
neighbor default-originate	2
show ip ospf database database-summary	2
neighbor description	2
ip ospf network	2
neighbor local-as	2
show ipv6 ospf	2
neighbor password	2
show ipv6 route summary	2
neighbor peer-group (assigning members)	2
show module	2
neighbor peer-group (creating)	2
show qos maps	2
address-family	2
show snmp	2
neighbor remove-private-as	2
dot1x reauthentication	2
neighbor route-map	2
show storm-control	2
ip access-list standard	2
ipv6 nd ns-interval	2
neighbor send-community	2
ipv6 nd reachable-time	2
ip as-path access-list	2
ipv6 ospf hello-interval	2
neighbor update-source	2
spanning-tree mode	2
ip community-list standard	2
ipv6 ospf priority	2
ntp authenticate	2
dot1x timeout tx-period	2
ntp authentication-key	2
clear mac-address-table dynamic	2
radius-server host	2

APPENDIX G - Summary of Disputed CLI Command Usage by Vendors

clear spanning-tree counters	2
radius-server key	2
banner login	2
radius-server timeout	2
show ip prefix-list	2
ip domain-name	2
bgp client-to-client reflection	2
router isis	2
show ipv6 ospf border-routers	2
set-overload-bit	2
show ipv6 ospf neighbor	2
ip icmp redirect	2
show isis database	2
ip igmp last-member-query-interval	2
show mac-address-table count	2
show dot1x	2
show ntp associations	2
show dot1x statistics	2
ip radius source-interface	2
show hosts	2
dot1x port-control	2
show interfaces switchport	2
ip tacacs source-interface	2
ip igmp query-max-response-time	2
show snmp community	2
ip igmp snooping	2
show snmp trap	2
show ip bgp community	2
show spanning-tree interface	2
show ip bgp paths	2
show spanning-tree mst interface	2
ip igmp static-group	2
ipv6 enable	2
show ip bgp regexp	2
show vrf	2
ip igmp version	2
ipv6 nd other-config-flag	2
show ip community-list	2
ipv6 nd ra lifetime	2
show ip extcommunity-list	2
dot1x timeout reauth-period	2
show ip helper-address	2
ipv6 ospf dead-interval	2
ip load-sharing	2
spanning-tree bpduguard	2
show ip igmp snooping	2
ipv6 ospf network	2

APPENDIX G - Summary of Disputed CLI Command Usage by Vendors

show ip igmp snooping mrouter	2
spanning-tree mst configuration	2
clear ip msdp sa-cache	2
storm-control	2
show ip msdp peer	2
switchport mode	2
show ip msdp sa-cache	2
ipv6 ospf transmit-delay	2
show ip msdp summary	2
ipv6 router ospf	2
clear ip ospf neighbor	2
isis hello-multiplier	2
clear ipv6 neighbors	2
passive-interface (OSPFv3)	1
timers basic (RIP)	1
spanning-tree portfast bpduguard default	1
router-id (OSPFv3)	1
ipv6 host	1
bfd all-interfaces	1
spanning-tree bpdufilter	1
ip ospf shutdown	1
switchport private-vlan mapping	1
show ipv6 bgp	1
ip dhcp snooping vlan	1
show ipv6 bgp neighbors	1
ntp trusted-key	1
show ipv6 bgp summary	1
ip multicast boundary	1
mac access-list	1
area default-cost (OSPFv3)	1
ip pim bsr-candidate	1
clear ip arp	1
lldp holdtime	1
enable secret	1
lldp receive	1
vrrp priority	1
bgp confederation peers	1
show track	1
lldp timer	1
show vlan internal usage	1
show ipv6 prefix-list	1
snmp-server chassis-id	1
ip pim query-interval	1
port-channel load-balance	1
show environment all	1
clear ip nat translation	1
show environment power	1

APPENDIX G - Summary of Disputed CLI Command Usage by Vendors

bgp confederation identifier	1
show isis interface	1
log-adjacency-changes (OSPFv3)	1
show isis topology	1
spanning-tree vlan	1
ip pim rp-address	1
bgp log-neighbor-changes	1
show environment temperature	1
control-plane	1
ip pim rp-candidate	1
ipv6 unicast-routing	1
show mac access-lists	1
timers throttle spf	1
ip pim spt-threshold	1
show ip rip database	1
ip pim spt-threshold group-list	1
ipv6 dhcp relay destination	1
aaa authorization config-commands	1
show ip dhcp snooping	1
clear ip mroute	1
ntp source	1
ip pim ssm range	1
show vlan private-vlan	1
show interfaces description	1
passive-interface	1
distance bgp	1
ip local-proxy-arp	1
show port-channel summary	1
show ip igmp snooping groups	1
show interfaces flowcontrol	1
dot1x timeout quiet-period	1
show port-security interface	1
private-vlan	1
show interfaces status	1
show ip mroute count	1
neighbor soft-reconfiguration	1
radius-server deadtime	1
show interfaces transceiver	1
spanning-tree guard	1
show inventory	1
radius-server retransmit	1
lldp transmit	1
spanning-tree portfast bpdufilter default	1
show ip arp	1
spanning-tree port-priority	1
neighbor allowas-in	1
redundancy force-switchover	1

APPENDIX G - Summary of Disputed CLI Command Usage by Vendors

isis passive	1
isis lsp-interval	1
ipv6 access-group	1
switchport port-security	1
ip igmp snooping querier	1
clear ip bgp	1
network area	1
show ip pim rp	1
show snmp view	1
ip host	1
dot1x system-auth-control	1
router-id	1
show spanning-tree blockedports	1
timers bgp	1
ip dhcp snooping	1
vrrp preempt	1
show spanning-tree mst	1
vrrp track	1
log-adjacency-changes	1
area default-cost	1

APPENDIX H.AD - Adtran Usage of Disputed CLI Commands

Disputed Cisco Command	Adtran Command Syntax	Bates Number of Adtran Manual
area default-cost	area <area id> default-cost <value>	ARISTANDCA13172865
area default-cost (OSPFv3)	area <area id> default-cost <value>	ARISTANDCA13172865
area range	area <area id> range <ip address> <network mask> [advertise | not-advertise]	ARISTANDCA13172865
area range (OSPFv3)	area <area id> range <ip address> <network mask> [advertise | not-advertise]	ARISTANDCA13172865
area stub	area <area id> stub [no-summary]	ARISTANDCA13172865
area stub (OSPFv3)	area <area id> stub [no-summary]	ARISTANDCA13172865
banner login	banner [exec | login | motd] <character> <message> <character>	ARISTANDCA13172865
banner motd	banner [exec | login | motd] <character> <message> <character>	ARISTANDCA13172865
clear arp-cache	clear arp-cache	ARISTANDCA13172865
clear counters	clear counters <interface>	ARISTANDCA13172865
clock set	clock set <time> <day> <month> <year>	ARISTANDCA13172865
default-information originate (OSPF)	default-information-originate [always] [metric value] [metric-type type]	ARISTANDCA13172865
default-information originate (OSPFv3)	default-information-originate [always] [metric value] [metric-type type]	ARISTANDCA13172865
default-metric (OSPF)	default-metric <value>	ARISTANDCA13172865
default-metric (OSPFv3)	default-metric <value>	ARISTANDCA13172865
interface ethernet	Router(config)# interface ethernet 0/1	ARISTANDCA13172865
interface loopback	interface loopback <label>	ARISTANDCA13172865
ip access-group	ip access-group <listname> [in | out]	ARISTANDCA13172865
ip access-list standard	ip access-list standard <listname>	ARISTANDCA13172865
ip domain lookup	ip domain-lookup	ARISTANDCA13172865
ip helper-address	ip helper-address <address>	ARISTANDCA13172865
ip host	ip host <name> <address1>	ARISTANDCA13172865
ip name-server	ip name-server <server-address1> [server-address2....server-address6]	ARISTANDCA13172865
ip ospf authentication	ip ospf authentication [message-digest | null]	ARISTANDCA13172865
ip ospf network	ip ospf network [broadcast | point-to-point]	ARISTANDCA13172865
ip proxy-arp	ip proxy-arp <address>	ARISTANDCA13172865
ip routing	ip routing	ARISTANDCA13172865
mac-address	mac-address <address>	ARISTANDCA13172865
network area	network <ip address> <wildcard> area <area id>	ARISTANDCA13172865
passive-interface	passive-interface <interface>	ARISTANDCA13172865
passive-interface (OSPFv3)	passive-interface <interface>	ARISTANDCA13172865
router ospf	router ospf	ARISTANDCA13172865
router rip	router rip	ARISTANDCA13172865
show arp	show arp	ARISTANDCA13172865
show clock	show clock [detail]	ARISTANDCA13172865
show hosts	show hosts	ARISTANDCA13172865
show interfaces	show interfaces <interface>	ARISTANDCA13172865
show ip access-lists	show ip access-lists <listname>	ARISTANDCA13172865
show ip arp	show ip arp	ARISTANDCA13172865
show ip ospf	show ip ospf	ARISTANDCA13172865
show ip ospf border-routers	show ip ospf border-routers	ARISTANDCA13172865
show ip ospf interface	show ip ospf interface <interface type> <interface number>	ARISTANDCA13172865
show ip ospf neighbor	show ip ospf neighbor <interface type> <interface number> <neighbor id> [detail]	ARISTANDCA13172865
show ip route	show ip route [connected | ospf | rip | static | table]	ARISTANDCA13172865
show snmp	show snmp	ARISTANDCA13172865
show spanning-tree	show spanning-tree <bridgegroup#>	ARISTANDCA13172865
show version	show version	ARISTANDCA13172865
snmp-server chassis-id	snmp-server chassis-id <id string>	ARISTANDCA13172865
snmp-server community	snmp-server community <community> [ro | rw] <listname>]	ARISTANDCA13172865
snmp-server contact	snmp-server contact <string>	ARISTANDCA13172865
snmp-server enable traps	snmp-server enable traps <trap type>	ARISTANDCA13172865
snmp-server location	snmp-server location <string>	ARISTANDCA13172865
aaa accounting	aaa accounting [suppress null-username]	ARISTANDCA13173433
aaa authentication login	aaa authentication login [<listname> | default] [none | line | enable | local | group <groupname> | group radius | group tacacs+]	ARISTANDCA13173433
aaa authorization config-commands	aaa authorization [config-command | console]	ARISTANDCA13173433
aaa authorization console	aaa authorization [config-command | console]	ARISTANDCA13173433
aaa group server radius	aaa group server [radius | tacacs+] <listname>	ARISTANDCA13173433
aaa group server tacacs+	aaa group server [radius | tacacs+] <listname>	ARISTANDCA13173433
bgp log-neighbor-changes	bgp log-neighbor-changes	ARISTANDCA13173433
clear ip bgp	clear ip bgp [* | <as-number> | <ip address>] [in | out | soft]	ARISTANDCA13173433
clear ip igmp group	clear ip igmp group [<group-address> | <interface>]	ARISTANDCA13173433
clear lldp counters	clear lldp counters	ARISTANDCA13173433
clear spanning-tree counters	clear spanning-tree counters [interface <interface id>]	ARISTANDCA13173433
clock timezone	clock timezone <text>	ARISTANDCA13173433
distance bgp	distance bgp <external> <internal> <local>	ARISTANDCA13173433
interface vlan	(config)#interface vlan 1	ARISTANDCA13173433
ip address	ip-address <address>	ARISTANDCA13173433
ip load-sharing	ip load-sharing [per-destination | per-packet]	ARISTANDCA13173433
ip multicast-routing	ip multicast-routing	ARISTANDCA13173433
ip ospf dead-interval	(config-demand 1)#ip ospf dead-interval 25000	ARISTANDCA13173433

APPENDIX H.AD - Adtran Usage of Disputed CLI Commands

ip pim sparse-mode	ip pim sparse-mode	ARISTANDCA13173433
ip radius source-interface	ip radius source-interface <interface>	ARISTANDCA13173433
lldp receive	lldp receive	ARISTANDCA13173433
maximum-paths	maximum paths <number>	ARISTANDCA13173433
maximum-paths (OSPFv3)	maximum paths <number>	ARISTANDCA13173433
radius-server deadtime	radius-server deadtime <minutes>	ARISTANDCA13173433
radius-server key	radius-server key <key>	ARISTANDCA13173433
radius-server timeout	radius-server timeout <seconds>	ARISTANDCA13173433
route-map	route-map <map-name> [permit | deny] <sequence number>	ARISTANDCA13173433
router bgp	router bgp	ARISTANDCA13173433
show ip bgp	show ip bgp [regexp <expression> | summary]	ARISTANDCA13173433
show ip bgp community	show ip bgp community [<community number> . . . <community number> | internet | no export| local-as | no-advertise] [exact]	ARISTANDCA13173433
show ip bgp neighbors	show ip bgp neighbors <ip address>	ARISTANDCA13173433
show ip bgp regexp	Router#show ip bgp regexp _303_	ARISTANDCA13173433
show ip community-list	show ip community-list [<community-list-name>]	ARISTANDCA13173433
show ip igmp groups	show ip igmp groups <group-address>	ARISTANDCA13173433
show ip igmp interface	show ip igmp interface <interface>	ARISTANDCA13173433
show ip mroute	show ip mroute [<group-address> | <interface>] [summary | all]	ARISTANDCA13173433
show ip prefix-list	show ip prefix-list [detail | summary] <listname>	ARISTANDCA13173433
show lldp	show lldp	ARISTANDCA13173433
show lldp neighbors	show lldp neighbors [interface <interface> l <interface type> | detail | realtime]	ARISTANDCA13173433
show route-map	show route-map [<name>]	ARISTANDCA13173433
show users	show users [realtime]	ARISTANDCA13173433
snmp-server source-interface	snmp-server source-interface <interface>	ARISTANDCA13173433
snmp-server view	snmp-server view <viewname> <oidtree> [excluded | included]	ARISTANDCA13173433
spanning-tree bpdufilter	spanning-tree bpdufilter [enable | disable]	ARISTANDCA13173433
spanning-tree bpduguard	spanning-tree bpduguard [enable | disable]	ARISTANDCA13173433
spanning-tree link-type	spanning-tree link-type [auto | point-to-point | shared]	ARISTANDCA13173433
spanning-tree mode	spanning-tree mode [rstp | stp]	ARISTANDCA13173433
spanning-tree port-priority	spanning-tree port-priority <priority level>	ARISTANDCA13173433
tacacs-server host	tacacs-server host <hostname or IP address>	ARISTANDCA13173433
tacacs-server key	tacacs-server key <key>	ARISTANDCA13173433
tacacs-server timeout	tacacs-server timeout <seconds>	ARISTANDCA13173433
terminal length	terminal length <text>	ARISTANDCA13173433
address-family	address-family ipv4 address-family ipv6	ARISTANDCA13178601
boot system	boot system cflash <primary filename>	ARISTANDCA13178601
clear ipv6 neighbors	clear ipv6 neighbors <interface>	ARISTANDCA13178601
clear mac-address-table dynamic	clear mac address-table dynamic	ARISTANDCA13178601
interface port-channel	interface port-channel <interface id>	ARISTANDCA13178601
ip igmp last-member-query-interval	ip igmp last-member-query-interval <milliseconds>	ARISTANDCA13178601
ip igmp snooping	ip igmp snooping	ARISTANDCA13178601
ip igmp snooping vlan	ip igmp snooping vlan <vlan id>	ARISTANDCA13178601
ip nat pool	ip nat pool <name>	ARISTANDCA13178601
ip ospf authentication-key	ip ospf authentication-key <password>	ARISTANDCA13178601
ip ospf cost	ip ospf cost <value>	ARISTANDCA13178601
ip ospf hello-interval	ip ospf hello-interval <seconds>	ARISTANDCA13178601
ip ospf priority	ip ospf priority <value>	ARISTANDCA13178601
ip ospf retransmit-interval	ip ospf retransmit-interval <seconds>	ARISTANDCA13178601
ip ospf shutdown	ip ospf <process id> shutdown	ARISTANDCA13178601
ip ospf transmit-delay	ip ospf transmit-delay <seconds>	ARISTANDCA13178601
ip route	ip route <ip address> <subnet mask> <interface>	ARISTANDCA13178601
ipv6 access-list	ipv6 access-list extended <ipv6 acl name> ALSO ipv6 access-list standard <ipv6 acl name>	ARISTANDCA13178601
ipv6 address	ipv6 address <ipv6 address/prefix-length>	ARISTANDCA13178601
ipv6 dhcp relay destination	ipv6 dhcp relay destination <ipv6 address>	ARISTANDCA13178601
ipv6 nd managed-config-flag	ipv6 nd managed-config-flag	ARISTANDCA13178601
ipv6 nd ns-interval	ipv6 nd ns-interval <value>	ARISTANDCA13178601
ipv6 nd other-config-flag	ipv6 nd other-config-flag	ARISTANDCA13178601
ipv6 nd prefix	ipv6 nd prefix [named-prefix <prefix name>] [<ipv6 prefix/prefix-length> | default]	ARISTANDCA13178601
ipv6 nd ra interval	ipv6 nd ra interval <max time>	ARISTANDCA13178601
ipv6 nd ra lifetime	ipv6 nd ra lifetime <value>	ARISTANDCA13178601
ipv6 nd ra suppress	ipv6 nd ra suppress	ARISTANDCA13178601
ipv6 nd router-preference	ipv6 nd router-preference high ipv6 nd router-preference low ipv6 nd router-preference medium	ARISTANDCA13178601
ipv6 prefix-list	ipv6 prefix-list <name> seq <number>	ARISTANDCA13178601
ipv6 route	ipv6 route [vrf <name>] <ipv6 prefix/prefix length> <ipv6 address>	ARISTANDCA13178601
mac-address-table aging-time	mac address-table aging-time <value>	ARISTANDCA13178601
mac-address-table static	mac address-table static <mac address>	ARISTANDCA13178601
port-channel load-balance	port-channel load-balance dst-mac port-channel load-balance src-mac	ARISTANDCA13178601
show interfaces description	show interfaces description	ARISTANDCA13178601

APPENDIX H.AD – Adtran Usage of Disputed CLI Commands

show interfaces status	show interfaces status	ARISTANDCA13178601
show interfaces switchport	show interfaces switchport <slot/port>	ARISTANDCA13178601
show ip bgp summary	show ip bgp summary	ARISTANDCA13178601
show ip igmp snooping	show ip igmp snooping	ARISTANDCA13178601
show ip igmp snooping mrouter	show ip igmp snooping mrouter	ARISTANDCA13178601
show ip ospf database database-summary	show ip ospf database database-summary	ARISTANDCA13178601
show ip route summary	show ip route summary	ARISTANDCA13178601
show ipv6 access-list	show ipv6 access-list	ARISTANDCA13178601
show ipv6 neighbors	show ipv6 neighbors	ARISTANDCA13178601
show ipv6 prefix-list	show ipv6 prefix-list <name>	ARISTANDCA13178601
show ipv6 route	show ipv6 route	ARISTANDCA13178601
show ipv6 route summary	show ipv6 route summary	ARISTANDCA13178601
show mac-address-table	show mac address-table	ARISTANDCA13178601
show mac-address-table aging time	show mac address-table aging-time	ARISTANDCA13178601
show mac-address-table count	show mac address-table count	ARISTANDCA13178601
show monitor session	show monitor session <number>	ARISTANDCA13178601
show ntp associations	show ntp associations	ARISTANDCA13178601
show ntp status	show ntp status	ARISTANDCA13178601
show port-security	show port-security	ARISTANDCA13178601
show port-security address	show port-security address	ARISTANDCA13178601
show port-security interface	show port-security interface <interface>	ARISTANDCA13178601
show privilege	show privilege	ARISTANDCA13178601
show qos maps	show qos map	ARISTANDCA13178601
show snmp engineID	show snmp engineID	ARISTANDCA13178601
show snmp group	show snmp group	ARISTANDCA13178601
show snmp user	show snmp user	ARISTANDCA13178601
show spanning-tree blockedports	show spanning-tree blockedports	ARISTANDCA13178601
show spanning-tree interface	show spanning-tree interface <interface>	ARISTANDCA13178601
show spanning-tree root	show spanning-tree root	ARISTANDCA13178601
show track	show track	ARISTANDCA13178601
show vlan	show vlan	ARISTANDCA13178601
show vrf	show vrf	ARISTANDCA13178601
show vrrp	show vrrp	ARISTANDCA13178601
snmp-server engineID local	snmp-server engineID local <hex string>	ARISTANDCA13178601
snmp-server engineID remote	snmp-server engineID remote <ip address> <hex string>	ARISTANDCA13178601
snmp-server group	snmp-server group <groupname> v1	ARISTANDCA13178601
snmp-server user	snmp-server user <username> <groupname> v1	ARISTANDCA13178601
switchport port-security	switchport port-security	ARISTANDCA13178601
switchport port-security maximum	switchport port-security maximum <value>	ARISTANDCA13178601
vrf forwarding	vrf forwarding <name>	ARISTANDCA13178601

APPENDIX H.ALU - Alcatel / ALU Usage of Disputed CLI Commands

Disputed Cisco Command	Alcatel/ALU Command Syntax	Bates Number of Alcatel/ALU Manual
aaa authentication login	aaa authentication login {default | list-name} method1 [method2...]	ARISTANDCA13187525
arp timeout	arp timeout seconds	ARISTANDCA13187525
boot system	boot system [unit unit] {image-1 | image-2}	ARISTANDCA13187525
channel-group	channel-group port-channel-number mode {on | auto}	ARISTANDCA13187525
clear arp-cache	clear arp-cache	ARISTANDCA13187525
clear counters	clear counters [ethernet interface | port-channel port-channel-number]	ARISTANDCA13187525
clock set	clock set hh:mm:ss day month year	ARISTANDCA13187525
clock timezone	clock timezone hours-offset [minutes minutes-offset] [zone acronym]	ARISTANDCA13187525
dot1x port-control	dot1x port-control {auto | force-authorized | force-unauthorized}	ARISTANDCA13187525
dot1x reauthentication	dot1x re-authentication	ARISTANDCA13187525
dot1x system-auth-control	dot1x system-auth-control	ARISTANDCA13187525
dot1x timeout quiet-period	dot1x timeout quiet-period seconds	ARISTANDCA13187525
dot1x timeout reauth-period	dot1x timeout re-authperiod seconds	ARISTANDCA13187525
dot1x timeout tx-period	dot1x timeout tx-period seconds	ARISTANDCA13187525
errdisable recovery cause	errdisable recovery cause {lbd}	ARISTANDCA13187525
errdisable recovery interval	errdisable recovery interval seconds	ARISTANDCA13187525
interface ethernet	interface ethernet interface	ARISTANDCA13187525
interface port-channel	interface port-channel port-channel-number	ARISTANDCA13187525
interface vlan	interface vlan vlan-id	ARISTANDCA13187525
ip access-group	ip access-group <accesslistnumber> in [sequence<seqno>]	ARISTANDCA13188297
ip access-list	ip-access-list name	ARISTANDCA13187525
ip address	ip address ip-address {mask | prefix-length}	ARISTANDCA13187525
ip dhcp snooping	ip dhcp snooping	ARISTANDCA13187525
ip dhcp snooping vlan	ip dhcp snooping vlan vlan-id	ARISTANDCA13187525
ip domain lookup	ip domain-lookup	ARISTANDCA13187525
ip domain-name	ip domain-name name	ARISTANDCA13187525
ip host	ip host name address	ARISTANDCA13187525
ip igmp snooping	ip igmp snooping	ARISTANDCA13187525
ip name-server	ip name-server server-address [server-address2 ... server-address8]	ARISTANDCA13187525
ipv6 dhcp relay destination	ipv6 dhcp relay if_name destination ip6_address scope_if_name no ipv6 dhcp relay if_name destination ip6_address scope_if_name	ARISTANDCA13202891
lacp port-priority	lacp port-priority value	ARISTANDCA13187525
lacp system-priority	lacp system-priority value	ARISTANDCA13187525
mac access-group	mac access-group <name> in [sequence <seqno>]	ARISTANDCA13188297
mac access-list	mac access-list name	ARISTANDCA13187525
mac-address-table aging-time	mac-address-table aging-time seconds	ARISTANDCA13206391
ntp authenticate	sntp authenticate	ARISTANDCA13187525
ntp server	sntp server {ip-address | hostname} [poll] [key keyid]	ARISTANDCA13187525
radius-server deadtime	radius-server deadtime deadtime	ARISTANDCA13187525
radius-server host	radius-server host {ip-address | hostname} [auth-port auth-port-number] [timeout timeout] [retransmit retries] [deadtime deadtime] [key key-string] [source source] [priority priority] [usage type]	ARISTANDCA13187525
radius-server key	radius-server key [key-string]	ARISTANDCA13187525
radius-server retransmit	radius-server retransmit retries	ARISTANDCA13187525
radius-server timeout	radius-server timeout timeout	ARISTANDCA13187525
show arp	show arp [ip-address ip-address] [mac-address mac-address] [ethernet interface | port-channel port-channel-number]	ARISTANDCA13187525
show clock	show clock [detail]	ARISTANDCA13187525
show dot1x	show dot1x [ethernet interface]	ARISTANDCA13187525
show dot1x statistics	show dot1x statistics ethernet interface	ARISTANDCA13187525
show hosts	show hosts [name]	ARISTANDCA13187525
show ip interface brief	show ip interface brief	ARISTANDCA13188297
show interfaces description	show interfaces description [ethernet interface | port-channel port-channel-number]	ARISTANDCA13187525
show interfaces switchport	show interfaces switchport {ethernet interface | port-channel port-channel-number}	ARISTANDCA13187525
show ip dhcp snooping	show ip dhcp snooping [ethernet interface | port-channel port-channel-number]	ARISTANDCA13187525
show ip igmp snooping groups	show ip igmp snooping groups [vlan vlan-id] [address ip-multicast-address] [source ip-address]	ARISTANDCA13187525
show ip igmp snooping mrouter	show ip igmp snooping mrouter [interface vlan-id]	ARISTANDCA13187525
show ip interface	show ip interface [ethernet interface-number | vlan vlan-id | port-channel port-channel number]	ARISTANDCA13187525
show ipv6 access-list	show ip access-list [access-list-name]	ARISTANDCA13206391
show lldp neighbors	show lldp neighbors [ethernet interface]	ARISTANDCA13187525
show mac access-lists	show mac access-lists [<name>]	ARISTANDCA13188297
show monitor session	show monitor session <session-id>	ARISTANDCA13188297
show privilege	show privilege	ARISTANDCA13187525
show qos maps	show qos map [dscp-queue | dscp-dp | tcp-port-queue | udp-port-queue | policed-dscp | dscp-mutation | service-type-cos | service-type-dscp]	ARISTANDCA13187525
show radius	show radius-servers	ARISTANDCA13187525
show snmp engineID	show snmp engineID	ARISTANDCA13187525
show spanning-tree	show spanning-tree [ethernet interface-number | port-channel port-channel-number] [instance instance-id]	ARISTANDCA13187525
show spanning-tree blockedports	show spanning-tree [detail] [active | blockedports] [instance instance-id]	ARISTANDCA13187525

APPENDIX H.ALU - Alcatel / ALU Usage of Disputed CLI Commands

show spanning-tree interface	show spanning-tree interface <port>	ARISTANDCA13188297
show spanning-tree mst configuration	show spanning-tree mst-configuration	ARISTANDCA13187525
show storm-control	show ports storm-control [interface]	ARISTANDCA13187525
show tacacs	show tacacs [ip-address]	ARISTANDCA13187525
show users	show users	ARISTANDCA13187525
show version	show version [unit unit]	ARISTANDCA13187525
show vlan	show vlan [id vlan-id	name vlan-name]	ARISTANDCA13187525
show vlan internal usage	show vlan internal usage	ARISTANDCA13187525
snmp-server community	snmp-server community community [ro	rw	su] [ipv4 address] [mask	prefix-length] [view view-name]	ARISTANDCA13187525
snmp-server contact	snmp-server contact text	ARISTANDCA13187525
snmp-server enable traps	snmp-server enable traps	ARISTANDCA13187525
snmp-server engineID local	snmp-server engineID local {engineid-string	default}	ARISTANDCA13187525
snmp-server group	snmp-server group groupname {v1	v2	v3 {noauth	auth	priv} [notify notifyview]} [read readview] [write writeview]	ARISTANDCA13187525
snmp-server host	snmp-server host {ip-address	hostname} community-string [traps	informs] [1	2] [udp-port port] [filter filtername] [timeout seconds] [retries retries]	ARISTANDCA13187525
snmp-server location	snmp-server location text	ARISTANDCA13187525
snmp-server user	snmp-server user username groupname [remote engineid string] [auth-md5 password	auth-sha password	auth-md5-key md5-des-keys	auth-sha-key sha-des-keys]	ARISTANDCA13187525
snmp-server view	snmp-server view view-name oid-tree {included	excluded}	ARISTANDCA13187525
spanning-tree bpduguard	spanning-tree bpduguard	ARISTANDCA13187525
spanning-tree cost	spanning-tree cost cost	ARISTANDCA13187525
spanning-tree link-type	spanning-tree link-type {point-to-point	shared}	ARISTANDCA13187525
spanning-tree mode	spanning-tree mode {stp	rstp	mstp}	ARISTANDCA13187525
spanning-tree mst configuration	spanning-tree mst configuration	ARISTANDCA13187525
spanning-tree port-priority	spanning-tree port-priority priority	ARISTANDCA13187525
storm-control	show ports storm-control [interface]	ARISTANDCA13187525
switchport access vlan	switchport access vlan {vlan-id	dynamic}	ARISTANDCA13187525
switchport mode	switchport mode {access	trunk	general}	ARISTANDCA13187525
switchport trunk allowed vlan	switchport trunk allowed vlan {add vlan-list	remove vlan-list}	ARISTANDCA13187525
switchport trunk native vlan	switchport trunk native vlan vlan-id	ARISTANDCA13187525
tacacs-server host	tacacs-server host {ip-address	hostname} [single-connection] [port port-number] [timeout timeout] [key key-string] [source source] [priority priority]	ARISTANDCA13187525
tacacs-server key	tacacs-server key key-string	ARISTANDCA13187525
tacacs-server timeout	tacacs-server timeout timeout	ARISTANDCA13187525
aaa accounting	aaa accounting command server1 [server2...] [local]	ARISTANDCA13189829
clear ipv6 neighbors	clear ipv6 neighbors	ARISTANDCA13189829
ipv6 access-list	ipv6 access-list access-list-name	ARISTANDCA13189829
ipv6 address	ipv6 address ipv6_address/prefix_length [anycast] {if_name	loopback}	ARISTANDCA13189829
ipv6 host	ipv6 host name ipv6_address	ARISTANDCA13189829
ipv6 neighbor	ipv6 neighbor ipv6_address hardware_address {if_name} slot/port	ARISTANDCA13189829
ipv6 ospf area	ipv6 ospf area area_id [type {normal	stub [default-metric metric]}]	ARISTANDCA13189829
ipv6 route	ipv6 route ipv6_prefix/prefix_length ipv6_address [if_name]	ARISTANDCA13189829
show interfaces	show interfaces [slot	slot/port[-port2]]	ARISTANDCA13189829
show interfaces flowcontrol	show interfaces [slot	slot/port[-port2]] flow [control]	ARISTANDCA13189829
show interfaces status	show interfaces [slot	slot/port[-port2]] status	ARISTANDCA13189829
show interfaces transceiver	show interfaces [slot	slot/port[-port2]] transceiver [ddm	w-low	w-high	a-low	a-high	actual]	ARISTANDCA13189829
show ip access-lists	show ip access-list [access-list-name]	ARISTANDCA13189829
show ip bgp	show ip bgp	ARISTANDCA13189829
show ip bgp neighbors	show ip bgp neighbors [ip_address]	ARISTANDCA13189829
show ip mroute	show ip mroute	ARISTANDCA13189829
show ip ospf	show ip ospf	ARISTANDCA13189829
show ip ospf border-routers	show ip ospf border-routers [area_id] [router_id] [tos] [gateway]	ARISTANDCA13189829
show ip ospf interface	show ip ospf interface [interface_name]	ARISTANDCA13189829
show ip ospf neighbor	show ip ospf neighbor [ip_address]	ARISTANDCA13189829
show ip pim interface	show ip pim interface [if_name]	ARISTANDCA13189829
show ip pim neighbor	show ip pim neighbor [ip_address]	ARISTANDCA13189829
show ip route	show ip route [summary]	ARISTANDCA13189829
show ip route summary	show ip route [summary]	ARISTANDCA13189829
show ipv6 bgp neighbors	show ipv6 bgp neighbors [ipv6_address]	ARISTANDCA13189829
show ipv6 interface	show ipv6 interface [if_name	loopback]	ARISTANDCA13189829
show ipv6 neighbors	show ipv6 neighbors [ipv6_prefix/prefix_length	if_name	hw hardware_address	static]	ARISTANDCA13189829
show ipv6 ospf	show ipv6 ospf	ARISTANDCA13189829
show ipv6 ospf border-routers	show ipv6 ospf border-routers [area area_id] [router router_id]	ARISTANDCA13189829
show ipv6 ospf interface	show ipv6 ospf interface [interface_name]	ARISTANDCA13189829
show ipv6 ospf neighbor	show ipv6 ospf neighbor [router ipv4_address][interface interface_name]	ARISTANDCA13189829
show mac-address-table	show mac-address-table [permanent	learned	quarantined] [mac_address] [slot slot	slot/port] [linkagg link_agg] [vid	vid1-vid2]	ARISTANDCA13189829
show mac-address-table aging time	show mac-address-table aging-time	ARISTANDCA13189829
show mac-address-table count	show mac-address-table count [mac_address] [slot slot	slot/port] [linkagg link_agg] [vid	vid1-vid2]	ARISTANDCA13189829
show module	show module [number]	ARISTANDCA13189829

APPENDIX H.ALU - Alcatel / ALU Usage of Disputed CLI Commands

show ntp status	show ntp status	ARISTANDCA13189829
show port-security	show port-security [slot/port1-port2 | slot/port]	ARISTANDCA13189829
show reload	show reload [status]	ARISTANDCA13189829
show vrf	show vrf	ARISTANDCA13189829
show vrrp	show vrrp [vrid]	ARISTANDCA13189829
vrrp preempt	vrrp vrid vlan_id [enable | disable | on | off] [priority priority] [preempt | no preempt] [[advertising] interval seconds]	ARISTANDCA13189829
vrrp priority	vrrp vrid vlan_id [enable | disable | on | off] [priority priority] [preempt | no preempt] [[advertising] interval seconds]	ARISTANDCA13189829
vrrp track	vrrp track track_id [enable | disable] [priority value] [ipv4-interface name | ipv6-interface name | port slot/port | address address]	ARISTANDCA13189829

APPENDIX H.AT - Allied Telesis Usage of Disputed CLI Commands

Disputed Cisco Command	Allied Telesis Command Syntax	Bates Number of AT Manual
aaa accounting	aaa accounting dot1x {radius}	ARISTANDCA13184679
	aaa accounting login {radius}	ARISTANDCA13185473
aaa accounting dot1x	aaa accounting dot1x {radius}	ARISTANDCA13184679
		ARISTANDCA13185473
aaa authentication login	aaa accounting login {radius}	ARISTANDCA13184679
		ARISTANDCA13185473
arp timeout	arp timeout seconds	ARISTANDCA13184679
		ARISTANDCA13185473
boot system	boot system [unit unit] {image-1	image-2}	ARISTANDCA13184679
channel-group	channel-group port-channel-number	ARISTANDCA13184679
clear arp-cache	clear arp-cache	ARISTANDCA13184679
clear counters	clear counters [ethernet ethernet	port-channel port-channel-number]	ARISTANDCA13184679
clear ipv6 neighbors	clear ipv6 neighbors	ARISTANDCA13184679
clock set	clock set hh:mm:ss day month year or clock set hh:mm:ss month day year	ARISTANDCA13184679
clock timezone	clock timezone hours-offset [minutes minutes-offset] [zone acronym]	ARISTANDCA13184679
dot1x port-control	dot1x port-control {auto	force-authorized	force-unauthorized}	ARISTANDCA13184679
dot1x reauthentication	dot1x re-authentication	ARISTANDCA13184679
dot1x system-auth-control	dot1x system-auth-control	ARISTANDCA13184679
dot1x timeout quiet-period	dot1x timeout quiet-period seconds	ARISTANDCA13184679
dot1x timeout reauth-period	dot1x timeout re-authperiod seconds	ARISTANDCA13184679
dot1x timeout tx-period	dot1x timeout tx-period seconds	ARISTANDCA13184679
interface ethernet	interface ethernet interface	ARISTANDCA13184679
interface port-channel	interface port-channel port-channel-number	ARISTANDCA13184679
interface vlan	interface port-channel port-channel-number	ARISTANDCA13184679
ip access-list	ip access-list access-list-name	ARISTANDCA13184679
ip address	ip address ip-address {mask	prefix-length}	ARISTANDCA13184679
ip dhcp snooping	ip dhcp snooping	ARISTANDCA13184679
ip dhcp snooping information option	ip dhcp snooping information option allowed-untrusted	ARISTANDCA13184679
ip dhcp snooping vlan	ip dhcp snooping vlan vlan-id	ARISTANDCA13184679
ip domain lookup	ip domain-lookup	ARISTANDCA13184679
ip domain-name	ip domain-name name	ARISTANDCA13184679
ip host	ip host name address	ARISTANDCA13184679
ip igmp snooping	ip igmp snooping	ARISTANDCA13184679
ip igmp snooping querier	ip igmp snooping querier enable	ARISTANDCA13184679
ip name-server	ip name-server server-address [server-address2 … server-address8]	ARISTANDCA13184679
ipv6 access-list	ipv6 access-list access-list-name	ARISTANDCA13184679
ipv6 address	ipv6 address ipv6-address/prefix-length [eui-64] [anycast]	ARISTANDCA13184679
ipv6 host	ipv6 host name ipv6-address1 [ipv6-address2…ipv6-address4]	ARISTANDCA13184679
lacp port-priority	lacp port-priority value	ARISTANDCA13184679
lacp system-priority	lacp system-priority value	ARISTANDCA13184679
lldp timer	lldp timer seconds	ARISTANDCA13184679
mac access-list	mac access-list access-list-name	ARISTANDCA13184679
radius-server deadtime	radius-server deadtime deadtime	ARISTANDCA13184679
radius-server host	radius-server host {ipv4-address	ipv6-address	hostname} [auth-port auth-port-number] [timeout timeout] [retransmit retries] [deadtime deadtime] [key key-string] [source ipv4-source	ipv6-source] [priority priority] [usage type]	ARISTANDCA13184679
radius-server key	radius-server key [key-string]	ARISTANDCA13184679
radius-server retransmit	radius-server retransmit retries	ARISTANDCA13184679
radius-server timeout	radius-server timeout timeout	ARISTANDCA13184679
show arp	show arp [ip-address ip-address] [mac-address mac-address] [ethernet interface	port-channel port-channelnumber]	ARISTANDCA13184679
show clock	show clock [detail]	ARISTANDCA13184679
show dot1x	show dot1x [ethernet interface]	ARISTANDCA13184679
show dot1x statistics	show dot1x statistics ethernet interface	ARISTANDCA13184679
show hosts	show hosts [name]	ARISTANDCA13184679
show interfaces description	show interfaces description [ethernet interface	port-channel port-channel-number]	ARISTANDCA13184679
show interfaces status	show interfaces status [ethernet interface	port-channel port-channel-number]	ARISTANDCA13184679
show interfaces switchport	show interfaces switchport {ethernet interface	port-channel port-channel-number}	ARISTANDCA13184679
show ip dhcp snooping	show ip dhcp snooping [ethernet interface	port-channel port-channel-number]	ARISTANDCA13184679

APPENDIX H.AT - Allied Telesis Usage of Disputed CLI Commands

show ip igmp snooping	show ip igmp snooping mrouter show ip igmp snooping interface show ip igmp snooping groups	ARISTANDCA13184679
show ip igmp snooping groups	show ip igmp snooping groups [vlan vlan-id] [ip-multicast-address ip-multicast-address] [ip-address ipaddress]	ARISTANDCA13184679
show ip igmp snooping mrouter	show ip igmp snooping mrouter [interface vlan-id]	ARISTANDCA13184679
show ip interface	show ip interface [ethernet interface-number	vlan vlan-id	port-channel port-channel number]	ARISTANDCA13184679
show ipv6 interface	show ipv6 interface [vlan vlan-id]	ARISTANDCA13184679
show ipv6 neighbors	show ipv6 neighbors {static	dynamic}[ipv6-address ipv6-address] [mac-address mac-address] [ethernet interface-number	vlan vlan-id	port-channel number]	ARISTANDCA13184679
show ipv6 route	show ipv6 route	ARISTANDCA13184679
show lldp neighbors	show lldp neighbors [ethernet interface]	ARISTANDCA13184679
show port-security	show port_security {ports <portlist>}	ARISTANDCA13183735
show privilege	show privilege	ARISTANDCA13184679
show qos maps	show qos map [dscp-queue]	ARISTANDCA13184679
show snmp	show snmp	ARISTANDCA13184679
show snmp engineID	show snmp engineID	ARISTANDCA13184679
show snmp host	show snmp host <ipaddr>	ARISTANDCA13183735
show snmp user	show snmp users [username]	ARISTANDCA13184679
show snmp view	show snmp views [viewname]	ARISTANDCA13184679
show spanning-tree	show spanning-tree [ethernet interface -number| port-channel port-channel-number] [instance instance-id]	ARISTANDCA13184679
show spanning-tree blockedports	show spanning-tree [detail] [active	blockedports] [instance instance-id]	ARISTANDCA13184679
show spanning-tree mst configuration	show spanning-tree mst-configuration	ARISTANDCA13184679
show tacacs	show tacacs [ip-address]	ARISTANDCA13184679
show users	show users	ARISTANDCA13184679
show version	show version [unit unit]	ARISTANDCA13184679
show vlan	show vlan [tag vlan-id	name vlan-name]	ARISTANDCA13184679
show vlan internal usage	show vlan internal usage	ARISTANDCA13184679
show vrrp	show vrrp {ipif <ipif_name 12> {vrid <vrid 1-255>}	ARISTANDCA13183735
snmp-server community	snmp-server community community [ro	rw	su] [ipv4-address	ipv6-address][view view-name]	ARISTANDCA13184679
snmp-server contact	snmp-server contact text	ARISTANDCA13184679
snmp-server enable traps	snmp-server enable traps	ARISTANDCA13184679
snmp-server engineID local	snmp-server engineID local {engineid-string	default}	ARISTANDCA13184679
snmp-server group	snmp-server group groupname {v1	v2	v3 {noauth	auth	priv} [notify notifyview] } [read readview] [write writeview]	ARISTANDCA13184679
snmp-server host	snmp-server host {ipv4-address	ipv6-address	hostname} community-string [traps	informs] [1	2] [udp-port port] [filter filtername] [timeout seconds] [retries retries]	ARISTANDCA13184679
snmp-server location	snmp-server location text	ARISTANDCA13184679
snmp-server user	snmp-server user username groupname [remote engineid-string] [auth-md5 password	auth-sha password	 auth-md5-key md5-des-keys	auth-sha-key sha-des-keys]	ARISTANDCA13184679
snmp-server view	snmp-server view view-name oid-tree {included	excluded}	ARISTANDCA13184679
spanning-tree bpduguard	spanning-tree bpduguard	ARISTANDCA13184679
spanning-tree cost	spanning-tree cost cost	ARISTANDCA13184679
spanning-tree guard	spanning-tree guard root	ARISTANDCA13184679
spanning-tree link-type	spanning-tree link-type {point-to-point	shared}	ARISTANDCA13184679
spanning-tree mode	spanning-tree mode {stp	rstp	mstp}	ARISTANDCA13184679
spanning-tree mst configuration	spanning-tree mst configuration	ARISTANDCA13184679
spanning-tree port-priority	spanning-tree port-priority priority	ARISTANDCA13184679
switchport access vlan	switchport access vlan {vlan-id }	ARISTANDCA13184679
switchport mode	switchport mode {access	trunk	general}	ARISTANDCA13184679
switchport trunk allowed vlan	switchport trunk allowed vlan {add vlan-list	remove vlan-list }	ARISTANDCA13184679
switchport trunk native vlan	switchport trunk native vlan vlan-id	ARISTANDCA13184679
tacacs-server host	tacacs-server host {ip-address	hostname} [single-connection] [port port-number] [timeout timeout] [key keystring] [source source] [priority priority]	ARISTANDCA13184679
tacacs-server key	tacacs-server key key-string	ARISTANDCA13184679
tacacs-server timeout	tacacs-server timeout timeout	ARISTANDCA13184679

APPENDIX H.AV - Avaya Usage of Disputed CLI Commands

Disputed Cisco Command	Avaya Command Syntax	Bates Number of Avaya Manual
area default-cost	area virtual-link <area-id> <nghbr-router-id> {[authentication-key <WORD>] [authenticationtype {none| simple|message-digest}] [primary-md5-key <1-255>] [dead-interval <1-2147483647>] [hello-interval <1-65535>] [retransmit-interval <1-3600>] [transit-delay <1 3600>]	ARISTANDCA_AVAYA00084952
area default-cost (OSPFv3)	area virtual-link <area-id> <nghbr-router-id> {[authentication-key <WORD>] [authenticationtype {none| simple|message-digest}] [primary-md5-key <1-255>] [dead-interval <1-2147483647>] [hello-interval <1-65535>] [retransmit-interval <1-3600>] [transit-delay <1 3600>]	ARISTANDCA_AVAYA00084952
area range	area range <A.B.C.D> <A.B.C.D/0-32> <summary-link|nssa-extlink>	ARISTANDCA_AVAYA00022577
area range (OSPFv3)	area range <A.B.C.D> <A.B.C.D/0-32> <summary-link|nssa-extlink> (OSPF only)	ARISTANDCA_AVAYA00022577
art timeout	arp {<A.B.C.D> <H.H.H> <WORD> id <1-4094> | timeout <5-360>}	ARISTANDCA_AVAYA00084952
clear arp-cache	clear arp-cache	ARISTANDCA_AVAYA00084952
clear ip msdp sa-cache	clear ip msdp sa-cache [group <A.B.C.D>] [peer <A.B.C.D>] [rp <A.B.C.D>] [source <A.B.C.D>]	ARISTANDCA_AVAYA00022577
clock timezone	clock time-zone <WORD> <-12 - 13> <0-59>	ARISTANDCA_AVAYA00084952
clock set	clock set <MMddyyyyhhmmss>	ARISTANDCA_AVAYA00022577
default-information originate (OSPF)	default-information originate	ARISTANDCA_AVAYA00022577
default-information originate (OSPFv3)	default-information originate (OSPF only)	ARISTANDCA_AVAYA00022577
default-metric (OSPF)	default-metric <-1-2147483647> (BGP and RIP only)	ARISTANDCA_AVAYA00022577
default-metric (OSPFv3)	default-metric <-1-2147483647> (BGP and RIP only)	ARISTANDCA_AVAYA00022577
interface vlan	interface vlan <vid>	ARISTANDCA_AVAYA00026225
ip address	ip address <A.B.C.D> <A.B.C.D> [<0-65535>]	ARISTANDCA_AVAYA00022577
ip dhcp snooping	ip dhcp snooping [port<portlist>]<trusted|untrusted>	ARISTANDCA_AVAYA00022577
ip dhcp snooping vlan	[no] [default] ip dhcp snooping vlan <vid> [enable]	ARISTANDCA_AVAYA00022577
ip domain-name	ip domain-name <word>	ARISTANDCA_AVAYA00022577
ip icmp redirect	ip icmp redirect	ARISTANDCA_AVAYA00022577
ip igmp snooping	ip igmp snooping	ARISTANDCA_AVAYA00084952
ip igmp static-group	ip igmp static-group <group address> <to group address> [<portList>] <static|blocked>	ARISTANDCA_AVAYA00022577
ip igmp version	ip igmp version	ARISTANDCA_AVAYA00022577
ip msdp default-peer	ip msdp password peer <A.B.C.D> Word<1-80>	ARISTANDCA_AVAYA00022577
ip msdp description	ip msdp description <A.B.C.D> WORD<1-255>	ARISTANDCA_AVAYA00022577
ip msdp keepalive	ip msdp keepalive <A.B.C.D> <0-21845> <3-65535>	ARISTANDCA_AVAYA00022577
ip msdp mesh-group	ip msdp mesh-group Word<1-64> <A.B.C.D>	ARISTANDCA_AVAYA00022577
ip msdp originator-id	ip msdp originator-id <A.B.C.D>	ARISTANDCA_AVAYA00022577
ip msdp peer	ip msdp peer <A.B.C.D>	ARISTANDCA_AVAYA00022577
ip msdp sa-filter in	ip msdp sa-filter <in|out> <A.B.C.D> create [route-policy Word<1-64>]	ARISTANDCA_AVAYA00022577
ip msdp sa-filter out	ip msdp sa-filter <in|out> <A.B.C.D> create [route-policy Word<1-64>]	ARISTANDCA_AVAYA00022577
ip msdp sa-limit	ip msdp sa-limit <A.B.C.D> <0-6144>	ARISTANDCA_AVAYA00022577
ip name-server	ip name-server primary <word> [secondary <word>] [tertiary <word>]	ARISTANDCA_AVAYA00022577
ip ospf bfd	ip ospf [vlan <1-4094>/port <portNum>] bfd	ARISTANDCA_AVAYA00022577
ip pim rp-candidate	ip pim rp-candidate group <A.B.C.D> <A.B.C.D> rp <A.B.C.D>	ARISTANDCA_AVAYA00084952
ip prefix-list	ip prefix-list <1-1024> <prefix/len> [<ge|le> <0-32>]	ARISTANDCA_AVAYA00022577
ip route	ip route <A.B.C.D> <A.B.C.D> 255.255.255.255 enable [next-hop-vrf <WORD 0-16>]	ARISTANDCA_AVAYA00022577
ip routing	ip routing	ARISTANDCA_AVAYA00022577
ipv6 address	ipv6 address {[stack <WORD>] [switch <WORD> [eui <1-3>]] [unit <1-8> <WORD>] [<WORD>]}	ARISTANDCA_AVAYA00084952
ipv6 enable	ipv6 [auto-config] [enable] [forwarding] [hop-limit <0-255> [icmp]	ARISTANDCA_AVAYA00084952
ipv6 nd managed-config-flag	ipv6 nd [dad-ns][hop-limit] [managed-config-flag] [other-config-flag] [ra-lifetime <0-9000>] [rtr-advert-max-interval <4-1800>] [rtr-advert-min-interval <3-1350>] [send-ra]	ARISTANDCA_AVAYA00084952
ipv6 nd prefix	ipv6 nd prefix <prefix/prefix length> [infinite] [no-advertise] [preferred-life <seconds>] [valid-life <seconds>]	ARISTANDCA_AVAYA00022577
ipv6 nd ra lifetime	ipv6 nd [dad-ns][hop-limit] [managed-config-flag] [other-config-flag] [ra-lifetime <0-9000>] [rtr-advert-max-interval <4-1800>] [rtr-advert-min-interval <3-1350>] [send-ra]	ARISTANDCA_AVAYA00084952

APPENDIX H.AV - Avaya Usage of Disputed CLI Commands

ipv6 neighbor	ipv6 neighbor <ipv6 address> port <slot/port> mac <mac address> vlan <vlan id>	ARISTANDCA_AVAYA00022577
ipv6 ospf area	ipv6 ospf area <A.B.C.D> cost <metric> [dead-interval <seconds>] [hello-interval <seconds>][network <value>][priority <value>] [retransmit-interval <seconds>] [transitdelay <seconds>]	ARISTANDCA_AVAYA00022577
ipv6 route	ipv6 route <Ipv6 address/prefix> enable [next-hop <Ipv6 address/prefix>] [port <slot/port>] [tunnel <tunnel-id>] [vlan <vlan id>]	ARISTANDCA_AVAYA00022577
is-type	[no] [default] is-type {l1}	ARISTANDCA_AVAYA00022577
lacp system-priority	lacp system-priority <0-65535>	ARISTANDCA_AVAYA00022577
mac-address-table aging-time	mac-address-table [aging-time <10-1000000>] [learning <LINE>] [static <H.H.H> <1-4094> interface {[Ethernet <LINE>] | [mlt <1-32>]}]	ARISTANDCA_AVAYA00084952
maximum-paths	maximum-path <1-4>	ARISTANDCA_AVAYA00084952
maximum-paths (OSPFv3)	maximum-path <1-4>	ARISTANDCA_AVAYA00084952
no snmp-server	no snmp-server	ARISTANDCA_AVAYA00026225
ntp authentication-key	ntp authentication-key <1-2147483647> <word>	ARISTANDCA_AVAYA00022577
ntp server	ntp server <A.B.C.D>	ARISTANDCA_AVAYA00022577
radius-server host	radius server host	ARISTANDCA_AVAYA00022577
radius-server key	radius-server key	ARISTANDCA_AVAYA00026225
radius-server timeout	radius-server timeout	ARISTANDCA_AVAYA00026225
route-map	route-map Word<1-64> <1-65535>	ARISTANDCA_AVAYA00022577
router bgp	router bgp	ARISTANDCA_AVAYA00022577
router isis	router isis	ARISTANDCA_AVAYA00022577
router-id	router-id <A.B.C.D>	ARISTANDCA_AVAYA00022577
router-id (OSPFv3)	router-id <A.B.C.D> (OSPF only)	ARISTANDCA_AVAYA00022577
show arp	show arp [<A.B.C.D>][add-fail][dynamic][<H.H.H>][static][summary][-s][vlan <1-4094>]	ARISTANDCA_AVAYA00084952
show clock	show clock	ARISTANDCA_AVAYA00022577
show hosts	show hosts <word>	ARISTANDCA_AVAYA00022577
show interfaces	Several "show interfaces" commands are supported	ARISTANDCA_AVAYA00022577, ARISTANDCA_AVAYA00084952
show ip bgp neighbors	show ip bgp neighbors [vrf <WORD 0-16>] [vrfids <WORD 0-255>]	ARISTANDCA_AVAYA00022577
show ip bgp peer-group	show ip bgp peer-group [<WORD 1-1536>] [vrf <WORD 0-16>] [vrfids <WORD 0-255>]	ARISTANDCA_AVAYA00022577
show ip bgp summary	show ip bgp summary [vrf <WORD 0-16>] [vrfids <WORD 0-255>]	ARISTANDCA_AVAYA00022577
show ip community-list	show ip community-list <1-1024> [vrf WORD<0-32> | vrfids WORD<0-255>]	ARISTANDCA_AVAYA00022577
show ip dhcp snooping	show ip dhcp snooping	ARISTANDCA_AVAYA00022577
show ip extcommunity-list	show ip extcommunity-list <1-1024> [vrf WORD<0-32> | vrfids WORD<0-255>]	ARISTANDCA_AVAYA00022577
show ip igmp interface	show ip igmp interface [fastethernet <slot/port>] [gigabitethernet <slot/port>] [pos <slot/port>] [vlan <slot/port>] [vrf Word<0-16>] [vrfids Word<0-255>]	ARISTANDCA_AVAYA00022577
show ip igmp snooping	show ip igmp snooping [vrf Word<0-16>] [vrfids Word<0-255>]	ARISTANDCA_AVAYA00022577
show ip interface	show ip interface [gigabitethernet <1-4094> <slot/port>] [vrf WORD<0-64>] [vrfids <WORD 0-255>]	ARISTANDCA_AVAYA00022577
show ip msdp mesh-group	show ip msdp mesh-group [Word<1-64>]	ARISTANDCA_AVAYA00022577
show ip msdp peer	show ip msdp peer [<A.B.C.D>] [<accepted-sas|advertised-sas>]	ARISTANDCA_AVAYA00022577
show ip msdp sa-cache	show ip msdp sa-cache [foreign|local] [group <A.B.C.D>] [rp <A.B.C.D>] [source <A.B.C.D>]	ARISTANDCA_AVAYA00022577
show ip msdp summary	show ip msdp summary	ARISTANDCA_AVAYA00022577
show ip ospf	show ip ospf [vrf <WORD 0-16>] [vrfids <WORD 0-255>]	ARISTANDCA_AVAYA00022577
show ip ospf interface	show ip ospf interface [<interface-type>] [<interface-id>] [vrf <WORD 1-16>] [vrfids <0-255>]	ARISTANDCA_AVAYA00022577
show ip ospf neighbor	show ip ospf neighbor [vrf <WORD 0-16>] [vrfids <WORD 0-255>]	ARISTANDCA_AVAYA00022577
show ip pim interface	show ip pim interface [fastEthernet <slot/port>] [gigabitethernet <slot/port>] [pos <slot/port>] [vlan <slot/port>] [vrf Word<0-16>] [vrfids Word<0-255>]	ARISTANDCA_AVAYA00022577
show ip pim neighbor	show ip pim neighbor [vrf Word<0-16>] [vrfids Word<0-255>]	ARISTANDCA_AVAYA00022577
show ip pim rp-hash	show ip pim rp-hash [vrf Word<0-16>] [vrfids Word<0-255>]	ARISTANDCA_AVAYA00022577
show ip prefix-list	show ip prefix-list [<WORD 1-64>] [prefix <A.B.C.D>] [vrf <WORD 0-32>] [vrfids <0-255>]	ARISTANDCA_AVAYA00022577

APPENDIX H.AV - Avaya Usage of Disputed CLI Commands

show ip route	show ip route [<A.B.C.D>] [-s <A.B.C.D> <A.B.C.D>] [alternative] [count-summary [vrf WORD<0-64>] [vrfids WORD<0-255>] [preference [next-hop-vrf <WORD 0-16>]] [spbm-nh-as-mac] [static [-s <A.B.C.D>] [vrf WORD<0-64>] [vrfids WORD<0-255>] [<A.B.C.D>]] [vrf <WORD 0-16>] [vrfids <WORD 0-255>]	ARISTANDCA_AVAYA00022577
show ip route summary	show ip route [ospf] [rip] [static] [A.B.C.D] [-s <subnet-ip> <mask-ip>] [summary]	ARISTANDCA_AVAYA00084952
show ipv6 interface	show ipv6 interface [<interface-type>] [<interface-id>] [<interface-index>]	ARISTANDCA_AVAYA00022577
show ipv6 ospf	show ipv6 ospf	ARISTANDCA_AVAYA00022577
show ipv6 ospf neighbor	show ipv6 ospf neighbor	ARISTANDCA_AVAYA00022577
show ipv6 prefix-list	show ipv6 prefix-list [prefix WORD<1-256>] [WORD<1-64>]	ARISTANDCA_AVAYA00022577
show isis interface	show isis interface [l1|l2|l12]	ARISTANDCA_AVAYA00022577
show lacp interface	show lacp interface [{fastethernet|gigabitethernet|pos}] [vid {vlan-id[-vlan-id][,...]}] [<portList>]	ARISTANDCA_AVAYA00022577
show lldp	Several "show lldp" commands are supported	ARISTANDCA_AVAYA00084952
show mac-address-table	Several "show mac-address-table" commands are supported	ARISTANDCA_AVAYA00084952
show mac-address-table aging-time	show mac-address-table aging-time	ARISTANDCA_AVAYA00084952
show radius	show radius {accounting interim-updates	dynamic-server {client {A.B.C.D}	replayprotection	statistics client {A.B.C.D}}	reachability	use-management-ip}	ARISTANDCA_AVAYA00084952
show route-map	show route-map [<WORD 1-64>] [<1-65535>] [vrf <WORD 0-32>] [vrfids <0-255>]	ARISTANDCA_AVAYA00022577
show spanning-tree	Supports over 10 "show spanning-tree"commands	ARISTANDCA_AVAYA00022577
show storm-control	show storm-control [all][broadcast][multicast][unicast]	ARISTANDCA_AVAYA00084952
show tacacs	show tacacs	ARISTANDCA_AVAYA00022577
show users	show users	ARISTANDCA_AVAYA00022577
show vlan	Support several "show vlan" commands	ARISTANDCA_AVAYA00022577
snmp-server community	snmp-server community <name> [group <WORD>] [index <WORD>] [secname <WORD>]	ARISTANDCA_AVAYA00022577
snmp-server contact	no snmp-server contact	ARISTANDCA_AVAYA00084952
snmp-server group	snmp-server group <group name> <context name> [auth-no-priv|auth-priv|no-auth-no-priv] [notify-view <WORD>] [read-view <WORD>] [write-view <WORD>]	ARISTANDCA_AVAYA00022577
snmp-server host	snmp-server host [A.B.C.D] [<WORD>] [port <1-65535>] [v1 <WORD> filter <WORD>] [v2c <WORD> {filter <WORD>	inform {[timeout <1-2147483647>] [retries <0-255>]} [v3 <auth	no-auth> <WORD>]	ARISTANDCA_AVAYA00084952
snmp-server location	snmp-server location <LINE>	ARISTANDCA_AVAYA00084952
snmp-server user	snmp-server user <WORD> [read-view <WORD>] [write-view <WORD>] [notify-view <WORD>] [{md5|sha} <password>] [read-view <WORD>] [write-view <WORD>] [notify-view <WORD>] [{aes|des|3des} <password> [read-view <WORD>] [write-view <WORD>] [notify-view <WORD>]	ARISTANDCA_AVAYA00022577
snmp-server view	snmp-server view <view name> <subtree oid>	ARISTANDCA_AVAYA00022577
spanning-tree cost	spanning-tree cost	ARISTANDCA_AVAYA00026225
spanning-tree mode	spanning-tree mode {mst	rstp	stpg}	ARISTANDCA_AVAYA00084952
storm-control	storm-control [broadcast	multicast	unicast	all] [action [none	drop	shutdown]] [enable] [high-watermark <10-100000000>] [low-watermark <10-100000000>] [poll interval <5-300>] [trap-interval <0-1000>]	ARISTANDCA_AVAYA00084952
tacacs-server host	tacacs server [host {A.B.C.D}] [secondary-host {A.B.C.D}] [port <1-65535>] [key]	ARISTANDCA_AVAYA00084952
tacacs-server key	tacacs server [host {A.B.C.D}] [secondary-host {A.B.C.D}] [port <1-65535>] [key]	ARISTANDCA_AVAYA00084952
terminal length	terminal {length <0-132>	speed {[19200]	[38400]	[9600]} width <1-132>}	ARISTANDCA_AVAYA00084952
timers basic	timers basic holddown <holdown-timer> timeout <global-timeout> update <update-timer>	ARISTANDCA_AVAYA00084952

APPENDIX H.BR - Brocade Usage of Disputed CLI Commands

Disputed Cisco Command	Brocade Command Syntax	Bates Number of Brocade Manual
aaa accounting	aaa accounting exec default start-stop none [no] aaa accounting exec default start-stop radius | tacacs+ | none	ARISTANDCA_BROCADE01785618, ARISTANDCA_BROCADE00062898
aaa authentication login	aaa authentication login { default | ldap | local | radius { local | local-auth-failback } | tacacs+ { local | local-auth-failback } }	ARISTANDCA_BROCADE01785618
address-family	address-family { ipv4 | ipv6 } no address-family { ipv4 | ipv6 }	ARISTANDCA_BROCADE01785618
aggregate-address	aggregate-address { *ip-addr ip-mask* | *ipv6-addr ipv6-mask* } [advertise-map *map-name*] [as-set] [attribute-map map-name] [summary-only] [suppress-map map-name]	ARISTANDCA_BROCADE01785618
area nssa	area { *A.B.C.D* | *decimal* } nssa { *metric* [no-summary] | default-information-originate }	ARISTANDCA_BROCADE01785618
area nssa (OSPFv3)	area { IPv6 address | decimal } nssa [metric] [default-information-originate [metric num] [metric- type { type-1 | type-2 }]] [no-redsitribution] [no-summary] [translator-always] [translator- interval interval]	ARISTANDCA_BROCADE01785618
area nssa default-information-originate	area { *A.B.C.D* | *decimal* } nssa { *metric* [no-summary] | default-information-originate }	ARISTANDCA_BROCADE01785618
area nssa default-information-originate (OSPFv3)	area { IPv6 address | decimal } nssa [metric] [default-information-originate [metric num] [metric- type { type-1 | type-2 }]] [no-redsitribution] [no-summary] [translator-always] [translator- interval interval]	ARISTANDCA_BROCADE01785618
area range	area { *A.B.C.D* | *decimal* } range *E.F.G.H I.J.K.L* [advertise | not-advertise] [cost *cost_value*]	ARISTANDCA_BROCADE01785618
area range (OSPFv3)	area { IPv6 address | decimal } range ipv6 address/mask [advertise | not-advertise] [cost cost_value]	ARISTANDCA_BROCADE01363517
area stub	area { *A.B.C.D* | *decimal* } stub *metric* [no-summary]	ARISTANDCA_BROCADE01785618
area stub (OSPFv3)	area { *A.B.C.D* | *decimal* } stub *metric* [no-summary]	ARISTANDCA_BROCADE01785618
banner login	banner login *message*	ARISTANDCA_BROCADE01785618
banner motd	banner motd *message*	ARISTANDCA_BROCADE01785618
bfd all-interfaces	bfd all-interfaces all-vrfs	ARISTANDCA_BROCADE1530651
bgp redistribute internal	bgp-redistribute-internal	ARISTANDCA_BROCADE01785618
boot system	boot system flash { primary | secondary } [yes]	ARISTANDCA_BROCADE01363517
channel-group	channel-group number mode { active | passive | on } [type { standard | brocade }]	ARISTANDCA_BROCADE01785618
clear arp-cache	clear arp-cache [interface interface-type interface-number [no-refresh]] | [ip ip-address [no-refresh] | [no-refresh]]	ARISTANDCA_BROCADE01689556
clear counters	clear counters [access-list { ip | ipv6 | mac } [all | interface { fcoe [*vn-number* | all] | port-channel *number* | fibrechannel *rbridge-id/slot/port* |*<N>* gigabitethernet *rbridge-id/slot/port* } | slot-id number | vlan *vlan_id* } | storm-control]	ARISTANDCA_BROCADE01785618
clear ip msdp sa-cache	clear ip msdp [vrf vrf-name] sa-cache [ip-addr]	ARISTANDCA_BROCADE01363517
clear ip ospf neighbor	clear ip ospf neighbor { *A.B.C.D* | all }	ARISTANDCA_BROCADE01785618
clear mac-address-table dynamic	clear mac-address-table dynamic [address *mac_address* | interface *<N>* gigabitethernet *rbridge-id/ slot/port | vlan vlan_id*]	ARISTANDCA_BROCADE01785618
clear spanning-tree counters	clear spanning-tree counter [interface | port-channel *number* | *<N>* gigabitethernet *rbridge-id/slot/port*]	ARISTANDCA_BROCADE01785618
clock set	clock set *CCYY-MM-DDTHH:MM:SS* [rbridge-id { *rbridge-id* | all }]	ARISTANDCA_BROCADE01785618
clock timezone	clock timezone *region/city* [rbridge-id { *rbridge-Id* | all }]	ARISTANDCA_BROCADE01785618
default-information originate (OSPF)	area { *A.B.C.D* | *decimal* } nssa { *metric* [no-summary] | default-information-originate }	ARISTANDCA_BROCADE01785618
default-information originate (OSPFv3)	area { *IPv6 address* | *decimal* } nssa { *metric*] [default-information-originate [metric *num*] [metric- type { type-1 | type-2 }]] [no-redsitribution] [no-summary] [translator-always] [translator- interval *interval*]	ARISTANDCA_BROCADE01785618
default-metric (OSPF)	default-metric *metric*	ARISTANDCA_BROCADE01785618
default-metric (OSPFv3)	default-metric *metric*	ARISTANDCA_BROCADE01785618
domain-id	domain-id <domain_identifier>	ARISTANDCA_BROCADE00062898
dot1x port-control	dot1x port-control { auto | force-authorized | force-unauthorized }	ARISTANDCA_BROCADE01785618
dot1x reauthentication	dot1x reauthentication	ARISTANDCA_BROCADE01785618
dot1x timeout reauth-period	dot1x timeout re-authperiod seconds	ARISTANDCA_BROCADE01785618
dot1x timeout tx-period	dot1x timeout tx-period *seconds*	ARISTANDCA_BROCADE01785618
errdisable recovery cause	errdisable recovery cause { all | cause }	ARISTANDCA_BROCADE01363517
errdisable recovery interval	errdisable recovery interval time	ARISTANDCA_BROCADE01363517
interface ethernet	interface [fibrechannel *rbridge-id/slot/port* | fcoe *vn-number/rbridge-id/front-port-number* | <N>gigabitethernet rbridge-id/slot/port | port-channel number | vlan vlan_id]	ARISTANDCA_BROCADE01785618
interface loopback	interface loopback *port_number*	ARISTANDCA_BROCADE01785618
interface port-channel	interface [fibrechannel *rbridge-id/slot/port* | fcoe *vn-number/rbridge-id/front-port-number* | <N>gigabitethernet rbridge-id/slot/port | port-channel number | vlan vlan_id]	ARISTANDCA_BROCADE01785618
interface vlan	interface [fibrechannel *rbridge-id/slot/port* | fcoe *vn-number/rbridge-id/front-port-number* | <N>gigabitethernet rbridge-id/slot/port | port-channel number | vlan vlan_id]	ARISTANDCA_BROCADE01785618
ip access-group	ip access-group *ACLname* { in | out } [switched | routed]	ARISTANDCA_BROCADE01785618
ip access-list	p access-list { standard | extended } *ACLname*	ARISTANDCA_BROCADE01785618
ip access-list standard	p access-list { standard | extended } *ACLname*	ARISTANDCA_BROCADE01785618
ip address	ip address *ip-address/mask* [secondary] [{ ospf-ignore | ospf-active }]	ARISTANDCA_BROCADE01785618
ip as-path access-list	ip as-path access-list *string* [seq *seq-value*] [deny *regular-expression* | permit *regular-expression*]	ARISTANDCA_BROCADE01785618
ip community-list standard	ip community-list standard *community-list-name* { deny [*community-number* | *AA:NN*] | permit *community-number* } [seq *seq-value*] [internet | local-as | no-advertise | no-export]	ARISTANDCA_BROCADE01785618

APPENDIX H.BR – Brocade Usage of Disputed CLI Commands

ip domain lookup	[no] ip domain-loopkup <ip-address>	<host-name>	ARISTANDCA_BROCADE00062898
ip helper-address	ip helper-address address-number [ip-address [unicast]]	ARISTANDCA_BROCADE01363517
ip icmp redirect	ip icmp redirect	ARISTANDCA_BROCADE01785618
ip igmp last-member-query-interval	ip igmp last-member-query-interval *milliseconds*	ARISTANDCA_BROCADE01785618
ip igmp query-interval	ip igmp query-interval *seconds*	ARISTANDCA_BROCADE01785618
ip igmp query-max-response-time	ip igmp query-max-response-time *seconds*	ARISTANDCA_BROCADE01785618
ip igmp static-group	ip igmp static-group *A.B.C.D*	ARISTANDCA_BROCADE01785618
ip igmp version	ip igmp version	ARISTANDCA_BROCADE01363517
ip load-sharing	ip load-sharing	ARISTANDCA_BROCADE01785618
ip multicast boundary	ip multicast-boundary [*prefix-list*]	ARISTANDCA_BROCADE01785618
ip multicast-routing	ip multicast-routing optimization oif-list all ip multicast-routing load-sharing [rebalance]	ARISTANDCA_BROCADE01363517 AND ARISTANDCA_BROCADE1530651
ip nat pool	[no] ip nat pool <pool-name> <start-ip> <end-ip> netmask <ip-mask>	prefix-length <length> [type match-host	rotary]	ARISTANDCA_BROCADE00062898
ip nat translation tcp-timeout	[no] ip nat translation timeout	udp-timeout	tcp-timeout	finrst-timeout	dns-timeout <secs>	ARISTANDCA_BROCADE00062898
ip nat translation udp-timeout	[no] ip nat translation timeout	udp-timeout	tcp-timeout	finrst-timeout	dns-timeout <secs>	ARISTANDCA_BROCADE00062898
ip ospf authentication-key	ip ospf authentication-key { 0 *password*	2 *password*	255 *password*	*password* }	ARISTANDCA_BROCADE01785618
ip ospf cost	ip ospf cost *value*	ARISTANDCA_BROCADE01785618
ip ospf dead-interval	ip ospf dead-interval *interval*	ARISTANDCA_BROCADE01785618
ip ospf hello-interval	ip ospf hello-interval *interval*	ARISTANDCA_BROCADE01785618
ip ospf network	ip ospf network { broadcast	point-to-point }	ARISTANDCA_BROCADE01785618
ip ospf priority	ip ospf priority *value*	ARISTANDCA_BROCADE01785618
ip ospf retransmit-interval	ip ospf retransmit-interval *rtx-int*	ARISTANDCA_BROCADE01785618
ip ospf transmit-delay	ip ospf transmit-delay *tx-delay*	ARISTANDCA_BROCADE01785618
ip pim dr-priority	ip pim dr-priority *priority-value*	ARISTANDCA_BROCADE01785618
ip prefix-list	ip prefix-list *name* { [deny *ip-prefix/prefix-length*	permit *ip-prefix/prefix-length*] ge *ge-value* [le *le- value*]]	*seq sequence-number* }	ARISTANDCA_BROCADE01785618
ip proxy-arp	ip proxy-arp	ARISTANDCA_BROCADE01785618
ip radius source-interface	ip radius source-interface { ethernet stack-id/slot/port	loopback number	management number	ve number }	ARISTANDCA_BROCADE01363517
ip route	ip route *A.B.C.D/L A.B.C.D* [*metric*] [distance *distance*] [tag *tag*] ip route A.B.C.D/L { <N>gigabitethernet slot/port ve vlan_id } [metric] [distance distance] [tag tag] ip route A.B.C.D/L null slot/port [metric] [distance distance] [tag tag]	ARISTANDCA_BROCADE01785618
ip tacacs source-interface	ip tacacs source-interface { ethernet stack-id/slot/port	loopback number	management number	ve number }	ARISTANDCA_BROCADE01363517
ipv6 access-list	ipv6 access-list { standard	extended } *ACLname*	ARISTANDCA_BROCADE01785618
ipv6 address	ipv6 address *ipv6-prefix/prefix-length* [secondary]	ARISTANDCA_BROCADE01785618
ipv6 enable	ipv6 enable	ARISTANDCA_BROCADE01363517
ipv6 access-group	ipv6 access-group *ACLname* { in	out } [switched	routed]	ARISTANDCA_BROCADE01785618
ipv6 nd managed-config-flag	ipv6 nd managed-config-flag	ARISTANDCA_BROCADE01785618
ipv6 nd ns-interval	ipv6 nd ns-interval *seconds*	ARISTANDCA_BROCADE01785618
ipv6 nd other-config-flag	ipv6 nd other-config-flag	ARISTANDCA_BROCADE01785618
ipv6 nd ra interval	ipv6 nd ra-interval *max-value* min *min-value*	ARISTANDCA_BROCADE01785618
ipv6 nd ra lifetime	ipv6 nd ra-lifetime *seconds*	ARISTANDCA_BROCADE01785618
ipv6 nd reachable-time	ipv6 nd reachable-time milli *seconds*	ARISTANDCA_BROCADE01785618
ipv6 neighbor	ipv6 neighbor *ipv6address MACaddress*	ARISTANDCA_BROCADE01785618
ipv6 ospf area	ipv6 ospf area *area-id*	*ipv6-addr*	ARISTANDCA_BROCADE01785618
ipv6 ospf cost	ipv6 ospf cost *value*	ARISTANDCA_BROCADE01785618
ipv6 ospf dead-interval	ipv6 ospf dead-interval *interval*	ARISTANDCA_BROCADE01785618
ipv6 ospf hello-interval	ipv6 ospf hello-interval *interval*	ARISTANDCA_BROCADE01785618
ipv6 ospf network	ipv6 ospf network { broadcast	point-to-point }	ARISTANDCA_BROCADE01785618
ipv6 ospf priority	ipv6 ospf priority *value*	ARISTANDCA_BROCADE01785618
ipv6 ospf retransmit- interval	ipv6 ospf retransmit-interval *interval*	ARISTANDCA_BROCADE01785618
ipv6 ospf transmit-delay	ipv6 ospf transmit-delay *value*	ARISTANDCA_BROCADE01785618
ipv6 prefix-list	ipv6 prefix-list *name* { [deny *ipv6-prefix/prefix-length*	permit *ipv6-prefix/prefix-length*] ge *ge-value* [le *le-value*]]	*seq sequence-number* }	ARISTANDCA_BROCADE01785618
ipv6 route	ipv6 route *dest-ipv6-prefix/prefix-length* [*next-hop-ipv6-address*	*link-local-next-hop-ipv6-address*] [*<N>* gigabitethernet *slot/port*	null 0	ve *vlan_id*] [*metric*] [distance *number*] [tag *tag*] ipv6 route ipv6-prefix/prefix-length next-hop-vrf vrf_name next-hop-ipv6-address	ARISTANDCA_BROCADE01785618
ipv6 router ospf	ipv6 router ospf [vrf *name*]	ARISTANDCA_BROCADE01785618
ipv6 unicast-routing	ipv6 unicast-routing	ARISTANDCA_BROCADE01363517
isis hello-interval	[no] isis hello-interval <num> [level-1-only	level-2-only]	ARISTANDCA_BROCADE00062898
isis hello-multiplier	[no] isis hello-multiplier <num> [level-1-only	level-2-only]	ARISTANDCA_BROCADE00062898
isis metric	You can change the metric value for a specific interface using the isis metric command or the isis ipv6 command. The isis metric command configuration takes precedence over the default-link metric *value* command configuration.	ARISTANDCA_BROCADE1530651
isis passive	[no] isis passive	ARISTANDCA_BROCADE00062898
isis priority	[no] isis priority <num> [level-1-only	level-2-only]	ARISTANDCA_BROCADE00062898
is-type	[no] is-type level-1-only	level-1-2	level-2-only	ARISTANDCA_BROCADE00062898
lacp port-priority	lacp port-priority *value*	ARISTANDCA_BROCADE01785618
lacp system-priority	lacp system-priority *value*	ARISTANDCA_BROCADE01785618

APPENDIX H.BR – Brocade Usage of Disputed CLI Commands

lldp run	lldp run no lldp run	ARISTANDCA_BROCADE01363517
load-interval	statistics-load-interval { seconds	accumulated } load-interval <interval>	ARISTANDCA_BROCADE01530651, ARISTANDCA_BROCADE00062898
logging host	logging host { ipv4-addr	server-name	ipv6 ipv6-addr } [udp-port number]	ARISTANDCA_BROCADE01363517
log-adjacency-changes (IS-IS)	[no] log-adjacency-changes	ARISTANDCA_BROCADE00062898
mac access-group	mac access-group *ACLname* { in	out } [switched	routed]	ARISTANDCA_BROCADE01785618
mac-address-table aging-time	mac-address-table { aging-time *seconds*	conversational *aging_time*	learning-mode conversational }	ARISTANDCA_BROCADE01785618
mac-address-table static	mac-address-table static *mac-addr* forward { *<N>* gigabitethernet *rbridge-id/slot/port*	port-channel *number*	vlan *vlan_id* }	ARISTANDCA_BROCADE01785618
maximum-paths	maximum-paths *num*	use-load-sharing	ARISTANDCA_BROCADE01785618
maximum-paths (OSPFv3)	maximum-paths *num* no maximum-paths	ARISTANDCA_BROCADE01785618
neighbor activate	neighbor { *ip-address*	*ipv6-address*	*peer-group-name* } activate	ARISTANDCA_BROCADE01785618
neighbor default-originate	neighbor { *ip-address*	*ipv6-address*	*peer-group-name* } default-originate [route-map *map-name*]	ARISTANDCA_BROCADE01785618
neighbor description	neighbor { *ip-address*	*ipv6-address*	*peer-group-name* } description *string*	ARISTANDCA_BROCADE01785618
neighbor ebgp-multihop	neighbor { *ip-address*	*ipv6-address*	*peer-group-name* } ebgp-multihop [*max-hop-count*]	ARISTANDCA_BROCADE01785618
neighbor local-as	neighbor { *ip-address*	*ipv6-address*	*peer-group-name* } local-as *num* [no-prepend]	ARISTANDCA_BROCADE01785618
neighbor next-hop-self	neighbor { *ip-address*	*ipv6-address*	*peer-group-name* } next-hop-self [always]	ARISTANDCA_BROCADE01785618
neighbor password	neighbor { *ip-address*	*ipv6-address*	*peer-group-name* } password *string*	ARISTANDCA_BROCADE01785618
neighbor peer-group (assigning members)	neighbor { *ip-address*	*ipv6-address* } peer-group *string*	ARISTANDCA_BROCADE01785618
neighbor peer-group (creating)	neighbor { *ip-address*	*ipv6-address*	*peer-group-name* } { activate |advertisement-interval	allowas-in |as-override	capability as4	capability orf prefixlist default-originate ||description	ebgp-multihop	enforce-first-as	filter-list |local-as	maxas-limit in	maximum-prefix |next-hop- self	password	peer-group	prefix-list |remote-as	remove-private-as	route-map |route-reflector-client |send-community |shutdown	soft-reconfiguration	static-network-edge	timers	unsuppress-map	update-sourceweight }	ARISTANDCA_BROCADE01785618
neighbor remote-as	neighbor { *ip-address*	*ipv6-address*	*peer-group-name* } { activate |advertisement-interval	allowas-in |as-override	capability as4	capability orf prefixlist default-originate ||description	ebgp-multihop	enforce-first-as	filter-list |local-as	maxas-limit in	maximum-prefix |next-hop- self	password	peer-group	prefix-list |remote-as	remove-private-as	route-map |route-reflector-client |send-community |shutdown	soft-reconfiguration	static-network-edge	timers	unsuppress-map	update-sourceweight }	ARISTANDCA_BROCADE01785618
neighbor remove-private-as	neighbor { *ip-address*	*ipv6-address*	*peer-group-name* } { activate |advertisement-interval	allowas-in |as-override	capability as4	capability orf prefixlist default-originate ||description	ebgp-multihop	enforce-first-as	filter-list |local-as	maxas-limit in	maximum-prefix |next-hop- self	password	peer-group	prefix-list |remote-as	remove-private-as	route-map |route-reflector-client |send-community |shutdown	soft-reconfiguration	static-network-edge	timers	unsuppress-map	update-sourceweight }	ARISTANDCA_BROCADE01785618
neighbor route-map	neighbor { *ip-address*	*ipv6-address*	*peer-group-name* } route-map { in *string*	out *string* }	ARISTANDCA_BROCADE01785618
neighbor route-reflector-client	neighbor { *ip-address*	*ipv6-address*	*peer-group-name* } route-reflector-client	ARISTANDCA_BROCADE01785618
neighbor send-community	neighbor { *ip-address*	*ipv6-address*	*peer-group-name* } { activate |advertisement-interval	allowas-in |as-override	capability as4	capability orf prefixlist default-originate ||description	ebgp-multihop	enforce-first-as	filter-list |local-as	maxas-limit in	maximum-prefix |next-hop- self	password	peer-group	prefix-list |remote-as	remove-private-as	route-map |route-reflector-client |send-community |shutdown	soft-reconfiguration	static-network-edge	timers	unsuppress-map	update-sourceweight }	ARISTANDCA_BROCADE01785618
neighbor shutdown	neighbor { *ip-address*	*ipv6-address*	*peer-group-name* } { activate |advertisement-interval	allowas-in |as-override	capability as4	capability orf prefixlist default-originate ||description	ebgp-multihop	enforce-first-as	filter-list |local-as	maxas-limit in	maximum-prefix |next-hop- self	password	peer-group	prefix-list |remote-as	remove-private-as	route-map |route-reflector-client |send-community |shutdown	soft-reconfiguration	static-network-edge	timers	unsuppress-map	update-sourceweight }	ARISTANDCA_BROCADE01785618
neighbor soft-reconfiguration	neighbor { *ip-address*	*ipv6-address*	*peer-group-name* } { activate |advertisement-interval	allowas-in |as-override	capability as4	capability orf prefixlist default-originate ||description	ebgp-multihop	enforce-first-as	filter-list |local-as	maxas-limit in	maximum-prefix |next-hop- self	password	peer-group	prefix-list |remote-as	remove-private-as	route-map |route-reflector-client |send-community |shutdown	soft-reconfiguration	static-network-edge	timers	unsuppress-map	update-source weight }	ARISTANDCA_BROCADE01785618
neighbor timers	neighbor { *ip-address*	*ipv6-address*	*peer-group-name* } { activate |advertisement-interval	allowas-in |as-override	capability as4	capability orf prefixlist default-originate ||description	ebgp-multihop	enforce-first-as	filter-list |local-as	maxas-limit in	maximum-prefix |next-hop- self	password	peer-group	prefix-list |remote-as	remove-private-as	route-map |route-reflector-client |send-community |shutdown	soft-reconfiguration	static-network-edge	timers	unsuppress-map	update-source weight }	ARISTANDCA_BROCADE01785618

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neighbor update-source	neighbor { *ip-address* | *ipv6-address* | *peer-group-name* } { activate |advertisement-interval | allowas-in |as-override | capability as4 | capability orf prefixlist default-originate ||description | ebgp-multihop | enforce-first-as | filter-list |local-as | maxas-limit in | maximum-prefix |next-hop- self | password | peer-group | prefix-list |remote-as | remove-private-as | route-map |route-reflector-client |send-community |shutdown | soft-reconfiguration | static-network-edge | timers | unsuppress-map | update-source weight }	ARISTANDCA_BROCADE01785618
neighbor weight	neighbor { *ip-address* | *ipv6-address* | *peer-group-name* } { activate |advertisement-interval | allowas-in |as-override | capability as4 | capability orf prefixlist default-originate ||description | ebgp-multihop | enforce-first-as | filter-list |local-as | maxas-limit in | maximum-prefix |next-hop- self | password | peer-group | prefix-list |remote-as | remove-private-as | route-map |route-reflector-client |send-community |shutdown | soft-reconfiguration | static-network-edge | timers | unsuppress-map | update-sourceweight }	ARISTANDCA_BROCADE01785618
no snmp-server	no snmp-server community *string* [groupname *group-name*] [ipv4-acl *standard-ipv4-acl-name*] [ipv6-acl *standard-ipv6-acl-name*]	ARISTANDCA_BROCADE01785618
ntp authentication-key	ntp authentication-key *key-id* {md5 *md5-string* | sha1 *sha1-string* }encryption-level *enc_value*	ARISTANDCA_BROCADE01785618
ntp server	ntp server *ip-address* [key *key-id*]	ARISTANDCA_BROCADE01785618
private-vlan	private-vlan [isolated | community | primary]	ARISTANDCA_BROCADE01785618
radius-server host	radius-server host { *ip-address* | *host_name* } [auth-port *portnum*] [protocol { chap | pap | peap }] [key *shared_secret*] [encryption-level value_level] [timeout sec] [retries num]	ARISTANDCA_BROCADE01785618
radius-server key	radius-server host { *ip-address* | *host_name* } [auth-port *portnum*] [protocol { chap | pap | peap }] [key *shared_secret*] [encryption-level value_level] [timeout sec] [retries num]	ARISTANDCA_BROCADE01785618
radius-server timeout	radius-server host { *ip-address* | *host_name* } [auth-port *portnum*] [protocol { chap | pap | peap }] [key *shared_secret*] [encryption-level value_level] [timeout sec] [retries num]	ARISTANDCA_BROCADE01785618
route-map	route-map *name* { permit | deny } *instance_number*	ARISTANDCA_BROCADE01785618
router bgp	router bgp	ARISTANDCA_BROCADE01785618
router isis	device(config)# router isis	ARISTANDCA_BROCADE01530651
router ospf	router ospf [vrf *name*]	ARISTANDCA_BROCADE01785618
router rip	device(config)# router rip	ARISTANDCA_BROCADE01530651
set-overload-bit	[no] set-overload-bit [on-startup <secs>]	ARISTANDCA_BROCADE00062898
show arp	show arp [dynamic[summary]] | *<N>* gigabitethernet *rbridge-id/slot/port* | ip *ip-address* | static [summary] | summary | ve *vlan_id*] [vrf *name*] [rbridge-id[all|*rbridge_id*]] | slot *slot_no* [[*ip-address*] | [vrf *name*] [*ip-address*]]	ARISTANDCA_BROCADE01785618
show clock	show clock [rbridge-id { *rbridge-id* | all }]	ARISTANDCA_BROCADE01785618
show dot1x	show dot1x	ARISTANDCA_BROCADE01785618
show dot1x statistics	show dot1x statistics interface [*<N>* gigabitethernet *rbridge-id/slot/port*]	ARISTANDCA_BROCADE01785618
show environment power	show environment power [rbridge-id { *rbridge-id* | all }]	ARISTANDCA_BROCADE01785618
show interfaces	show interface [fibrechannel *rbridge-id/slot/port* | management *rbridge-id/slot/port* | fcoe [*vn- number/rbridge-id/front-port-number* | rbridge-id *rbridge-id*] | *<N>* gigabitethernet *rbridge-id/slot/port* | loopback number | port-channel *number* | stats *rbridge-id/slot/port* | switchport | vlan *vlan_id*]	ARISTANDCA_BROCADE01785618
show inventory	show inventory [chassis | fan | module | powerSupply]	ARISTANDCA_BROCADE01785618
show ip access-lists	show access-list { ip | ipv6 | mac }	ARISTANDCA_BROCADE01785618
	show ip access-list all | <acl-number> | begin <keyword> | exclude <keyword> | include <keyword>	ARISTANDCA_BROCADE00062898
show ip bgp	show ip bgp { *ip-addr* [*/prefix*] } [longer-prefixes | rbridge-id { *rbridge-id* | all } | vrf *vrf-name*]	ARISTANDCA_BROCADE01785618
show ip bgp neighbors	show ip bgp neighbors *ip-addr show ip bgp neighbors last-packet-with-error* [*rbridge-id { rbridge-id | all } | vrf vrf-name] show ip bgp neighbors routes-summary [rbridge-id { rbridge-id | all } | vrf vrf-name] | show ip bgp neighbors vrf vrf-namevrf vrf-name] show ip bgp neighbors rbridge-id { rbridge-id | all }*	ARISTANDCA_BROCADE01785618
show ip bgp peer-group	show ip bgp peer-group peer-group-name [rbridge-id { rbridge-id | all } | vrf vrf-name]	ARISTANDCA_BROCADE01785618
show ip bgp summary	show ip bgp summary [rbridge-id { rbridge-id | all } | vrf vrf-name]	ARISTANDCA_BROCADE01785618
show ip extcommunity-list	show ip extcommunity-list [*list_name* [rbridge-id *number*] | rbridge-id *list_name*]	ARISTANDCA_BROCADE01785618
show ip igmp groups	show ip igmp groups [[[A.B.C.D [detail]] | rbridge-id { *rbridge-id* | all }] | [*interface* [*<N>* gigabitethernet *rbridge-id/slot/port* | ve [*vlan_id* | rbridge-id *rbridge-id*] [detail | *A.B.C.D*]] | [interface vlan *vlan_id*] [detail]] | [interface port-channel *number* | detail]]	ARISTANDCA_BROCADE01785618
show ip igmp interface	show ip igmp interface [vlan vlan_id [[A.B.C.D [detail]] | rbridge-id { rbridge-id | all }] | [interface [<N>gigabitethernet rbridge-id/slot/port | ve [vlan_id | rbridge-id rbridge-id] [detail | A.B.C.D]] | [interface vlan vlan_id | detail] | [interface port-channel number | detail]]	ARISTANDCA_BROCADE01785618
show ip igmp snooping	show ip igmp snooping [interface vlan *vlan_id* | mrouter interface vlan *vlan_id*]	ARISTANDCA_BROCADE01785618
show ip interface	show ip interface [brief [rbridge-id { *rbridge-id* | all }] | *<N>* gigabitethernet *rbridge-id/slot/port* | loopback number | port-channel number | ve vlan_id]	ARISTANDCA_BROCADE01785618
show ip interface brief	show ip interface [brief [rbridge-id { *rbridge-id* | all }] | *<N>* gigabitethernet *rbridge-id/slot/port* | loopback number | port-channel number | ve vlan_id]	ARISTANDCA_BROCADE01785618
show ip mroute	show ip mroute [vrf vrf-name] { static | connected | nexthop | ip-subnet [mask]}	ARISTANDCA_BROCADE01363517
show ip msdp peer	show ip msdp peer [vrf vrf-name] peer peer-address	ARISTANDCA_BROCADE01363517

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show ip msdp sa-cache	show ip msdp [vrf vrf-name] sa-cache [counts] [source-address group-address | peer peer-address { in | out } | peer-as as-number | orig-rp rp-address | rejected [rpf | rp-filter | sg-filter] | self-originated]	ARISTANDCA_BROCADE01363517
show ip msdp summary	show ip msdp [vrf vrf-name] summary	ARISTANDCA_BROCADE01363517
show ip nat translations	show ip nat translation	ARISTANDCA_BROCADE00062898
show ip ospf	show ip ospf [vrf name [rbridge-id { rbridge-id | all }]]	ARISTANDCA_BROCADE01785618
show ip ospf border-routers	show ip ospf border-routers [A.B.C.D] [[vrf vrfname [rbridge-id { rbridge-id | all }]] | rbridge-id { rbridge-id | all }]	ARISTANDCA_BROCADE01785618
show ip ospf database database-summary	show ip ospf database database-summary [[vrf vrfname [rbridge-id { rbridge-id | all }]] | rbridge- id { rbridge-id | all }]	ARISTANDCA_BROCADE01785618
show ip ospf interface	show ip ospf interface [{ A.B.C.D | <N> gigabitethernet rbridge-id/slot/port [brief] | [brief] | loopback number | port-channel number [brief] | ve vlan_id [brief] } [brief]] [[vrf vrfname [rbridge-id { rbridge-id | all }]] | rbridge-id { rbridge-id | all }]	ARISTANDCA_BROCADE01785618
show ip ospf neighbor	show ip ospf neighbor [extensive] { <N> gigabitethernet rbridge-id/slot/port | loopback number | port-channel number | router-id A.B.C.D | ve vlan_id } [[vrf vrfname [rbridge-id { rbridge-id | all }]] | rbridge-id { rbridge-id | all }]	ARISTANDCA_BROCADE01785618
show ip pim interface	show ip pim interface { ethernet stackid/slot/port-id | loopback loopback number | ve ve-number }	ARISTANDCA_BROCADE01363517
show ip pim neighbor	show ip pim neighbor [interface <N> gigabitethernet rbridge-id/slot/port]	ARISTANDCA_BROCADE01785618
show ip pim rp-hash	show ip pim rp-hash A.B.C.D [rbridge-id { rbridge-id | all }]	ARISTANDCA_BROCADE01785618
show ip route	show ip route A.B.C.D [rbridge-id { rbridge-id | all } | vrf vrf-name] [rbridge-id { rbridge-id | all } show ip route A.B.C.D/M [longer] [rbridge-id { rbridge-id | all } | vrf vrf-name] [rbridge-id { rbridge-id | all } show ip route all [rbridge-id { rbridge-id | all } | vrf vrf-name] [rbridge-id { rbridge-id | all } show ip route bgp [rbridge-id { rbridge-id | all } | vrf vrf-name] [rbridge-id { rbridge-id | all } show ip route connected [rbridge-id { rbridge-id | all } | vrf vrf-name] [rbridge-id { rbridge-id | all } show ip route detail [rbridge-id { rbridge-id | all } | vrf vrf-name] [rbridge-id { rbridge-id | all } show ip route import [src-vrf-name] [rbridge-id { rbridge-id | all } | vrf vrf-name] [rbridge-id { rbridge-id | all } show ip route nexthop [nexthopID] [ref-routes] [rbridge-id { rbridge-id | all } | vrf vrf-name] [rbridge-id { rbridge-id | all } show ip route ospf [rbridge-id { rbridge-id | all } | vrf vrf-name] [rbridge-id { rbridge-id | all } show ip route rbridge-id {rbridge-id | all } [vrf vrf-name] [rbridge-id { rbridge-id | all } show ip route slot line_card_number [rbridge-id { rbridge-id | all } | vrf vrf-name] [rbridge-id { rbridge-id | all } show ip route static [rbridge-id { rbridge-id | all } | vrf vrf-name] [rbridge-id { rbridge-id | all } show ip route summary [rbridge-id { rbridge-id | all } | vrf vrf-name] [rbridge-id { rbridge-id | all } show ip route vrf vrf-name [rbridge-id { rbridge-id | all }	ARISTANDCA_BROCADE01785618
show ip route summary	show ip route summary [rbridge-id { rbridge-id | all } | vrf vrf-name] [rbridge-id { rbridge-id | all } show ip route vrf vrf-name [rbridge-id { rbridge-id | all }	ARISTANDCA_BROCADE01785618
show ipv6 access-list	show ipv6 access-list [acl-name]	ARISTANDCA_BROCADE01363517
show ipv6 bgp	show ipv6 bgp attribute-entries [rbridge-id { rbridge-id | all } | vrf vrf-name] show ipv6 bgp dampened-paths [rbridge-id { rbridge-id | all } | vrf vrf-name] show ipv6 bgp filtered-routes ipv6-addr mask [longer-prefixes [rbridge-id { rbridge-id | all }] | rbridge-id { rbridge-id | all } | vrf vrf-name] show ipv6 bgp flap-statistics ipv6-addr mask [longer-prefixes [rbridge-id { rbridge-id | all }] | rbridge-id { rbridge-id | all } | vrf vrf-name] show ipv6 bgp neighbors ipv6-addr show ipv6 bgp peer-group [peer-group-name [rbridge-id { rbridge-id | all }]] show ipv6 bgp rbridge-id { rbridge-id | all } [vrf vrf-name]	ARISTANDCA_BROCADE01785618
show ipv6 bgp summary	show ipv6 bgp summary [rbridge-id { rbridge-id | all } | vrf vrf-name]	ARISTANDCA_BROCADE01785618
show ipv6 interface	show ipv6 interface [brief [rbridge-id { all | rbridge-id }] | { <N> gigabitethernet rbridge-id/slot/port | ve vlan_id [rbridge-id { all | rbridge-id }] }]	ARISTANDCA_BROCADE01785618
show ipv6 ospf interface	show ipv6 ospf interface [all-vrfs] [brief] [<N> gigabitethernet mappedID/slot/port] [loopback number] [rbridge-id rbridge-id] [ve vlan_id] [vrf vrfname]	ARISTANDCA_BROCADE01785618
show ipv6 ospf neighbor	show ipv6 ospf neighbor [all-vrfs] [detail] [interface { <N> gigabitethernet rbridge-id/slot/port | loopback number | ve vlan_id }] [rbridge-id rbridge-id] [router-id A.B.C.D] [vrf vrfname]	ARISTANDCA_BROCADE01785618
show ipv6 route	show ipv6 route [ipv6address/prefix] [longer] [rbridge-id { all | rbridge-id }] [vrf vrf-name] [rbridge-id { rbridge-id | all } show ipv6 route all [rbridge-id { all | rbridge-id }] [vrf vrf-name] [rbridge-id { rbridge-id | all } show ipv6 route bgp [rbridge-id { all | rbridge-id }] [vrf vrf-name] [rbridge-id { rbridge-id | all } show ipv6 route connected [rbridge-id { all | rbridge-id }] [vrf vrf-name] [rbridge-id { rbridge-id | all } show ipv6 route detail [rbridge-id { rbridge-id | all }] | vrf vrf-name] [rbridge-id { rbridge-id | all } show ipv6 route import [src-vrf-name] [rbridge-id { all | rbridge-id }] [vrf vrf-name] [rbridge-id {rbridge-id | all } show ipv6 route nexthop [decimal | ref-routes [rbridge-id { all | rbridge-id }] [vrf vrf-name] [rbridge-id { rbridge-id | all } show ipv6 route ospf [rbridge-id { all | rbridge-id }] [vrf vrf-name] [rbridge-id { rbridge-id | all } show ipv6 route rbridge-id { all | rbridge-id }] [rbridge-id { rbridge-id | all } show ipv6 route slot slot [ipv6address | ipv6prefix | vrf vrf-name] [rbridge-id { rbridge-id | all } show ipv6 route static [rbridge-id { all | rbridge-id }] [vrf vrf-name] [rbridge-id { rbridge-id | all } show ipv6 route summary [rbridge-id { rbridge-id | all }] [vrf vrf-name] [rbridge-id { rbridge-id | all } show ipv6 route system-summary [rbridge-id { all | rbridge-id }] show ipv6 route vrf vrf-name [rbridge-id { all | rbridge-id }]	ARISTANDCA_BROCADE01785618

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show ipv6 route summary	show ipv6 route summary [rbridge-id { all | rbridge-id }] [vrf vrf-name] [rbridge-id { rbridge-id | all }	ARISTANDCA_BROCADE01785618
show isis database	show isis [config | counts | database [detail | level1 | level2 | summary] | hostname | interface [brief | ethernet | loopback | pos | ipv6 | tunnel | ve] | neighbor [detail]] | routes *ip-addr* | shortcut [detail | lsp] | spf-log [detail | level1 | level2] | traffic]	ARISTANDCA_BROCADE1530651
show isis interface	show isis [config | counts | database [detail | level1 | level2 | summary] | hostname | interface [brief | ethernet | loopback | pos | ipv6 | tunnel | ve] | neighbor [detail]] | routes *ip-addr* | shortcut [detail | lsp] | spf-log [detail | level1 | level2] | traffic]	ARISTANDCA_BROCADE1530651
show lacp counters	show lacp [counters [*port-channel*] | sys-id [*port-channel*]	ARISTANDCA_BROCADE01785618
show lldp	show lldp	ARISTANDCA_BROCADE01363517
show lldp neighbors	show lldp neighbors [detail ports { all | ethernet stack-id/slot/port [to stack-id/slot/port | [ethernet stack-id/slot/port to stack-id/slot/port | ethernet stack-id/slot/port] ...] }]	ARISTANDCA_BROCADE01363517
show mac-address-table	show mac-address-table [address *mac-addr* | aging-time [conversational [rbridge-id] *rbridge-id*]] | count [addressMAC_address | conversational linecard linecard_number [address [MAC_address | rbridge-id rbridge-id]] | interface {<N> gigabitethernet rbridge-id/slot/port | vlanvlan_id } | address MAC_address | interface {<N> gigabitethernet rbridge-id/slot/port | port-channel number | tunnel number | vlan vlan_id] | interface { <N> gigabitethernet rbridge-id/slot/ port | port-channel number | tunnel number | vlan vlan_id } | static [address MAC_address | interface {<N> gigabitethernet rbridge-id/slot/port | port-channel number | tunnel number | vlan vlan_id] | vlan vlan_id | dynamic | interface | learning-mode [rbridge-id [rbridge-id]] | linecard interface |port-profile [addressMAC_address | count | dynamic | vlanvlan_id] | static | vlanvlan_id]	ARISTANDCA_BROCADE01785618
show mac-address-table aging time	show mac-address-table [address *mac-addr* | aging-time [conversational [rbridge-id] *rbridge-id*]] | count [addressMAC_address | conversational linecard linecard_number [address [MAC_address | rbridge-id rbridge-id]] | interface {<N> gigabitethernet rbridge-id/slot/port | vlanvlan_id } | dynamic [address MAC_address | interface {<N> gigabitethernet rbridge-id/slot/port | port-channel number | tunnel number | vlan vlan_id] | interface { <N> gigabitethernet rbridge-id/slot/ port | port-channel number | tunnel number | vlan vlan_id } | static [address MAC_address | interface {<N> gigabitethernet rbridge-id/slot/port | port-channel number | tunnel number | vlan vlan_id] | vlan vlan_id | dynamic | interface | learning-mode [rbridge-id [rbridge-id]] | linecard interface |port-profile [addressMAC_address | count | dynamic | vlanvlan_id] | static | vlanvlan_id]	ARISTANDCA_BROCADE01785618
show mac-address-table count	show mac-address-table [address *mac-addr* | aging-time [conversational [rbridge-id] *rbridge-id*]] | count [addressMAC_address | conversational linecard linecard_number [address [MAC_address | rbridge-id rbridge-id]] | interface {<N> gigabitethernet rbridge-id/slot/port | vlanvlan_id } | dynamic [address MAC_address | interface {<N> gigabitethernet rbridge-id/slot/port | port-channel number | tunnel number | vlan vlan_id] | interface { <N> gigabitethernet rbridge-id/slot/ port | port-channel number | tunnel number | vlan vlan_id } | static [address MAC_address | interface {<N> gigabitethernet rbridge-id/slot/port | port-channel number | tunnel number | vlan vlan_id] | vlan vlan_id | dynamic | interface | learning-mode [rbridge-id [rbridge-id]] | linecard interface |port-profile [addressMAC_address | count | dynamic | vlanvlan_id] | static | vlanvlan_id]	ARISTANDCA_BROCADE01785618
show monitor session	show monitor [session *session_number*]	ARISTANDCA_BROCADE01785618
show ntp status	show ntp status [rbridge-id { *rbridge-id* | all }]	ARISTANDCA_BROCADE01785618
show port-channel summary	show port-channel [*channel-group-number* | detail | load-balance | summary]	ARISTANDCA_BROCADE01785618
show port-security	show port-security	ARISTANDCA_BROCADE01785618
show port-security interface	show port-security interface [all | port-channel *channel-group-number* | *<N>* gigabitethernet rbridge-id/slot/port]	ARISTANDCA_BROCADE01785618
show qos maps	show qos maps [cos-mutation [*name*] | cos-traffic-class [*name*]]	ARISTANDCA_BROCADE01785618
show reload	show reload	ARISTANDCA_BROCADE00062898
show route-map	show route-map [*name*] [rbridge-id { *rbridge-id* | all }]	ARISTANDCA_BROCADE01785618
show snmp group	show snmp [engineid | group | server | user]	ARISTANDCA_BROCADE01363517
show snmp user	show snmp [engineid | group | server | user]	ARISTANDCA_BROCADE01363517
show spanning-tree	show spanning-tree [pvst | mst-config | vlan *vlan_id*]	ARISTANDCA_BROCADE01785618
show spanning-tree interface	show spanning-tree interface [port-channel *number* | *<N>* gigabitethernet rbridge-id/slot/port]	ARISTANDCA_BROCADE01785618
show spanning-tree mst interface	show spanning-tree mst instance i *nstance_id* [interface port-channel *number* | interface <N>gigabitethernet rbridge-id/slot/port]	ARISTANDCA_BROCADE01785618
show storm-control	show storm-control show storm-control broadcast [interface { <N>gigabitethernet } rbridge-id/slot/port] show storm-control multicast [interface { <N>gigabitethernet } rbridge-id/slot/port] show storm-control unknown-unicast [interface { <N>gigabitethernet } rbridge-id/slot/port]	ARISTANDCA_BROCADE01785618
show users	show users [rbridge-id { *rbridge-id* | all }]	ARISTANDCA_BROCADE01785618
show version	show version [rbridge-id { *rbridge-id* | all }] [all-partitions] [brief]	ARISTANDCA_BROCADE01785618
show vlan	show vlan [*vlan_id* | brief [provisioned | unprovisioned] | classifier]	ARISTANDCA_BROCADE01785618
show vlan private-vlan	show vlan private-vlan	ARISTANDCA_BROCADE01785618
show vrf	show vrf [*vrf-name* | detail | interface] [rbridge-id { *rbridge-id* | all }]	ARISTANDCA_BROCADE01785618

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show vrrp	show vrrp show vrrp VRID [detail	summary] [rbridge-id { rbridge-id	all }] show vrrp detail [rbridge-id { rbridge-id	all }] show vrrp summary [vrf { vrf-name	all }	rbridge-id { rbridge-id	all }] show vrrp summary vrf default-vrf show vrrp interface { <N>gigabitethernet [rbridge-id /] slot/port [detail	summary]	ve vlan_id [detail	summary	rbridge-id] } show vrrp rbridge-id { rbridge-id	all }	ARISTANDCA_BROCADE01785618
snmp-server community	snmp-server community *string* [groupname *group-name*] [ipv4-acl *standard-ipv4-acl-name*] [ipv6- acl *standard-ipv6-acl-name*]	ARISTANDCA_BROCADE01785618
snmp-server contact	snmp-server contact *string*	ARISTANDCA_BROCADE01785618
snmp-server enable traps	snmp-server enable trap	ARISTANDCA_BROCADE01785618
snmp-server engineID local	snmp-server engineid local *engine_id*	ARISTANDCA_BROCADE01785618
snmp-server group	snmp-server group *groupname* {v1	v2c	v3 {auth	noauth	priv}} [read *viewname*] [write *viewname*] [notify *viewname*]	ARISTANDCA_BROCADE01785618
snmp-server host	snmp-server host { ipv4_host	ipv6_host	dns_host } *community_string* [version { 1	2c }] [udp- port *port*] [severity-level	{ none	debug	info	warning	error	critical }] [source-interface { loopback*number*	ve *vlan_id* }] [use-vrf { mgmt-vrf	default-vrf }]	ARISTANDCA_BROCADE01785618
snmp-server location	snmp-server location *string*	ARISTANDCA_BROCADE01785618
snmp-server user	snmp-server user *username* [groupname *group-name*] [auth { md5	sha	noauth }] [auth- password *string* [encrypted]] [priv { DES	AES128	nopriv }] [priv-password *string* [encrypted]] [ipv4-acl *standard-ipv4-acl-name*] [ipv6-acl *standard-ipv6-acl-name*]	ARISTANDCA_BROCADE01785618
snmp-server view	snmp-server view *view-name mib_tree* {included	excluded}	ARISTANDCA_BROCADE01785618
spanning-tree cost	spanning-tree cost *cost*	ARISTANDCA_BROCADE01785618
spanning-tree link-type	spanning-tree link-type [point-to-point	shared]	ARISTANDCA_BROCADE01785618
spanning-tree vlan	spanning-tree vlan *vlan_id*	ARISTANDCA_BROCADE01785618
spf-interval	[no] spf-interval <secs>	ARISTANDCA_BROCADE00062898
switchport access vlan	switchport access { vlan *vlan_id*	rspan-vlan *vlan_id*	mac *HHHH.HHHH.HHHH*	mac-group *mac- group-id* }	ARISTANDCA_BROCADE01785618
switchport mode	switchport mode { access	trunk }	ARISTANDCA_BROCADE01785618
switchport port-security	switchport port-security mac-address *address* vlan *vlan_id* switchport port-security max switchport port-security oui switchport port-security shutdown-time switchport port-security sticky switchport port-security violation	ARISTANDCA_BROCADE01785618
switchport private-vlan mapping	switchport private-vlan mapping *primary_vlan_ID* [add	remove] *secondary_vlan*	ARISTANDCA_BROCADE01785618
switchport trunk allowed vlan	switchport trunk allowed { vlan	rspan-vlan } { add *vlan_id* { ctag { *id*	*ctag - range* }	all	except vlan_id	none	remove vlan_id }	ARISTANDCA_BROCADE01785618
switchport trunk native vlan	switchport trunk native-vlan *vlan_id* [ctag *id*]	ARISTANDCA_BROCADE01785618
tacacs-server host	tacacs-server {host *hostname*	source-ip [*chassis-ip*	*mm-ip*] } [port *portnum*] [protocol { chap	pap }] [key shared_secret] [encryption-level value_level] [timeout secs] [retries num]	ARISTANDCA_BROCADE01785618
tacacs-server key	tacacs-server {host *hostname*	source-ip [*chassis-ip*	*mm-ip*] } [port *portnum*] [protocol { chap	pap }] [key shared_secret] [encryption-level value_level] [timeout secs] [retries num]	ARISTANDCA_BROCADE01785618
tacacs-server timeout	tacacs-server {host *hostname*	source-ip [*chassis-ip*	*mm-ip*] } [port *portnum*] [protocol { chap	pap }] [key shared_secret] [encryption-level value_level] [timeout secs] [retries num]	ARISTANDCA_BROCADE01785618
terminal length	terminal [length *number_of_lines*] [monitor] [timeout *value*]	ARISTANDCA_BROCADE01785618
terminal monitor	terminal [length *number_of_lines*] [monitor] [timeout *value*]	ARISTANDCA_BROCADE01785618
timers basic (RIP)	[no] timers-basic <update-timer> <aging-timeout-interval> <garbage-collection-timer>	ARISTANDCA_BROCADE01363517 ARISTANDCA_BROCADE00062898
timers throttle spf	timers { lsa-group-pacing *interval*	throttle spf *start hold max* }	ARISTANDCA_BROCADE01785618

APPENDIX H.DE - Dell Usage of Disputed CLI Commands

Disputed Cisco Command	Dell Command Syntax	Dell Manual Bates Number
aaa accounting	aaa accounting {exec | commands | dot1x} {default | list_name} {startstop | stop-only |none} [method1 [method2...]] {radius|tacacs|radius I tacacs|tacacs radius}	DELL-ANETSUB00131695
aaa accounting dot1x	aaa accounting {exec | commands | dot1x} {default | list_name} {start- stop | stop-only |none} [method1 [method2...]] {radius|tacacs|radius tacacs|tacacs radius}	DELL-ANETSUB00131695
aaa authentication login	aaa authentication login {default | list-name} method1 [method2...]	DELL-ANETSUB00131695
aaa authorization config-commands	aaa authorization {commands|exec|network}{default|list-name} method1 [method2]	DELL-ANETSUB00131695
address-family	address-family { ipv4 | ipv6 }	DELL-ANETSUB00131695
aggregate-address	aggregate-address { ipv4-prefix mask | ipv6-prefix/prefix-length } [as-set] [summary only]	DELL-ANETSUB00131695
area default-cost	area areaid default-cost 1-16777215	DELL-ANETSUB00026077
area default-cost (OSPFv3)	area area-id default-cost cost	DELL-ANETSUB00131695
area nssa	area area-id nssa [no-redistribution] [default-information-originate [metric metric-value] [metric-type metric-type-value]] [no-summary] [translator- role role] [translator-stab-intv interval]	DELL-ANETSUB00131695
area nssa (OSPFv3)	area area-id nssa [no-redistribution] [default-information-originate [metric metric-value] [metric-type metric-type-value]] [no-summary] [translator- role role] [translator-stab-intv interval]	DELL-ANETSUB00131695
area nssa default-information-originate	area area-id nssa [no-redistribution] [default-information-originate [metric metric-value] [metric-type metric-type-value]] [no-summary] [translator- role role] [translator-stab-intv interval]	DELL-ANETSUB00131695
area nssa default-information-originate (OSPFv3)	area area-id nssa [no-redistribution] [default-information-originate [metric metric-value] [metric-type metric-type-value]] [no-summary] [translator- role role] [translator-stab-intv interval]	DELL-ANETSUB00131695
area nssa no-summary	area area-id nssa [no-redistribution] [default-information-originate [metric metric-value] [metric-type metric-type-value]] [no-summary] [translator- role role] [translator-stab-intv interval]	DELL-ANETSUB00131695
area range	area area-id range prefix netmask {summarylink | nssaexternallink} [advertise | not-advertise][cost cost]	DELL-ANETSUB00131695
area range (OSPFv3)	area area-id range prefix netmask {summarylink | nssaexternallink} [advertise | not-advertise][cost cost]	DELL-ANETSUB00131695
area stub	area area-id stub	DELL-ANETSUB00131695
area stub (OSPFv3)	area area-id stub	DELL-ANETSUB00131695
arp timeout	arp timeout integer	DELL-ANETSUB00131695
banner login	banner login Message	DELL-ANETSUB00131695
banner motd	banner motd MESSAGE	DELL-ANETSUB00131695
bgp client-to-client reflection	bgp client-to-client reflection	DELL-ANETSUB00131695
bgp cluster-id	bgp cluster-id cluster-id	DELL-ANETSUB00131695
bgp confederation identifier	bgp confederation identifier as-number	DELL-ANETSUB00019535
bgp confederation peers	bgp confederation peers as-number [...as-number]	DELL-ANETSUB00019535
bgp log-neighbor-changes	bgp log-neighbor-changes	DELL-ANETSUB00131695
boot system	boot system [unit-id][active|backup]	DELL-ANETSUB00131695
channel-group	channel-group port-channel-number mode {on | active}	DELL-ANETSUB00131695
clear arp-cache	clear arp-cache [vrf vrf-name] [gateway]	DELL-ANETSUB00131695
clear counters	clear counters [vrf vrf-name | stack-ports | switchport | interface-id]	DELL-ANETSUB00131695
clear ip bgp	clear ip bgp {* | as-number | ipv4-address | ipv6-address [interface interface-id] } [soft [in | out]]	DELL-ANETSUB00131695
clear ipv6 neighbors	clear ipv6 neighbors [vlan vlan-id]	DELL-ANETSUB00131695
clear lldp counters	clear lldp counters interface	DELL-ANETSUB00019535
clear lldp table	clear lldp table [interface-id]	DELL-ANETSUB00114148
clock set	clock set time month day year	DELL-ANETSUB00019535
clock timezone	clock timezone timezone-name offset	DELL-ANETSUB00019535
default-information originate (OSPF)	default-information originate [always] [metric metric-value] [metric-type type-value	DELL-ANETSUB00019535
default-information originate (OSPFv3)	default-information originate [always]	DELL-ANETSUB00131695
default-metric (OSPF)	default-metric number	DELL-ANETSUB00019535
default-metric (OSPFv3)	default-metric metric-value	DELL-ANETSUB00131695
distance bgp	distance bgp external-distance internal-distance local-distance	DELL-ANETSUB00019535
dot1x port-control	dot1x port-control {force-authorized | auto | force-unauthorized}	DELL-ANETSUB00019535
dot1x reauthentication	dot1x reauthentication [interval seconds]	DELL-ANETSUB00019535
dot1x system-auth-control	dot1x system-auth-control	DELL-ANETSUB00131695
dot1x timeout quiet-period	dot1x timeout quiet-period seconds	DELL-ANETSUB00131695
dot1x timeout reauth-period	dot1x timeout re-authperiod seconds	DELL-ANETSUB00131695
dot1x timeout tx-period	dot1x timeout tx-period seconds	DELL-ANETSUB00131695
interface loopback	interface loopback number	DELL-ANETSUB00019535
interface port-channel	interface port-channel channel-number	DELL-ANETSUB00019535
interface vlan	interface vlan vlan-id	DELL-ANETSUB00019535
ip access-group	ip access-group access-list-name {in | out} [implicit-permit] [vlan vlan-id]	DELL-ANETSUB00019535
ip access-list	ip access-list standard access-list-name // ip access-list extended access-list-name	DELL-ANETSUB00019535
ip address	ip address ip-address mask [secondary]	DELL-ANETSUB00019535
ip as-path access-list	ip as-path access-list as-path-name	DELL-ANETSUB00019535
ip dhcp snooping	[no] ip dhcp snooping	DELL-ANETSUB00019535
ip dhcp snooping vlan	[no] ip dhcp snooping vlan name	DELL-ANETSUB00019535
ip domain lookup	ip domain-lookup	DELL-ANETSUB00131695
ip domain-name	ip domain-name name	DELL-ANETSUB00019535

APPENDIX H.DE - Dell Usage of Disputed CLI Commands

ip helper-address	ip helper-address *ip-address* | *default-vrf*	DELL-ANETSUB00019535
ip host	ip host *name ip-address*	DELL-ANETSUB00019535
ip igmp last-member-query-count	ip igmp last-member-query-count lmqc	DELL-ANETSUB00131695
ip igmp last-member-query-interval	ip igmp last-member-query-interval *milliseconds*	DELL-ANETSUB00019535
ip igmp query-interval	ip igmp query-interval *seconds*	DELL-ANETSUB00019535
ip igmp query-max-response-time	ip igmp query-max-response-time seconds	DELL-ANETSUB00131695
ip igmp snooping	ip igmp snooping enable	DELL-ANETSUB00019535
ip igmp snooping querier	ip igmp snooping querier	DELL-ANETSUB00019535
ip igmp snooping vlan	ip igmp snooping vlan vlan-id mrouter interface interface-id // ip igmp snooping vlan vlan-id last-member-query-interval time // ip igmp snooping vlan vlan-id mcrtexpiretime time // ip igmp snooping vlan vlan-id groupmembership-interval time	DELL-ANETSUB00131695
ip igmp snooping vlan immediate-leave	ip igmp snooping vlan vlan-id immediate-leave	DELL-ANETSUB00131695
ip igmp startup-query-count	ip igmp startup-query-count count	DELL-ANETSUB00131695
ip igmp startup-query-interval	ip igmp startup-query-interval seconds	DELL-ANETSUB00131695
ip igmp version	ip igmp version {2 | 3}	DELL-ANETSUB00019535
ip msdp default-peer	ip msdp default-peer *peer address* [list *name*]	DELL-ANETSUB00019535
ip msdp mesh-group	ip msdp mesh-group {*name* } {*peer address* }	DELL-ANETSUB00019535
ip msdp originator-id	ip msdp originator-id {*interface* }	DELL-ANETSUB00019535
ip msdp peer	ip msdp peer *peer address* [connect-source] [description] [sa-limit *number*]	DELL-ANETSUB00019535
ip msdp sa-filter in	ip msdp sa-filter {in | out} *peer-address* list [*access-list name*]	DELL-ANETSUB00019535
ip msdp sa-filter out	ip msdp sa-filter {in | out} *peer-address* list [*access-list name*]	DELL-ANETSUB00019535
ip msdp sa-limit	ip msdp sa-limit *number*	DELL-ANETSUB00019535
ip msdp shutdown	ip msdp shutdown {*peer address* }	DELL-ANETSUB00019535
ip name-server	ip name-server *ipv4-address* [*ipv4-address2 ...ipv4-address6*]	DELL-ANETSUB00019535
ip ospf authentication	ip ospf authentication {none | {simple key} | {encrypt key key-id}}	DELL-ANETSUB00131695
ip ospf authentication-key	ip ospf authentication-key [*encryption-type*] *key*	DELL-ANETSUB00019535
ip ospf cost	ip ospf cost *cost*	DELL-ANETSUB00019535
ip ospf dead-interval	ip ospf dead-interval *seconds*	DELL-ANETSUB00019535
ip ospf hello-interval	ip ospf hello-interval *seconds*	DELL-ANETSUB00019535
ip ospf network	ip ospf network {broadcast | point-to-point}	DELL-ANETSUB00019535
ip ospf priority	ip ospf priority *number*	DELL-ANETSUB00019535
ip ospf retransmit-interval	ip ospf retransmit-interval *seconds*	DELL-ANETSUB00019535
ip ospf transmit-delay	ip ospf transmit-delay *seconds*	DELL-ANETSUB00019535
ip pim dr-priority	ip pim dr-priority *priority-value*	DELL-ANETSUB00019535
ip prefix-list	ip prefix-list *prefix-name*	DELL-ANETSUB00019535
ip proxy-arp	ip proxy-arp	DELL-ANETSUB00019535
ip radius source-interface	ip radius source-interface *interface*	DELL-ANETSUB00019535
ip route	ip route vrf {*vrf instance*} *destination mask* {*ip-address* | *interface* [*ip-address*]} [*distance*] [permanent] [tag tag-value]	DELL-ANETSUB00019535
ip routing	ip routing	DELL-ANETSUB00131695
ipv6 access-list	ipv6 access-list *access-list-name*	DELL-ANETSUB00019535
ipv6 address	ipv6 address {*ipv6-address prefix-length* }	DELL-ANETSUB00019535
ipv6 host	ipv6 host *name ip-address*	DELL-ANETSUB00019535
ipv6 nd prefix	ipv6 nd prefix {*ipv6-address /prefix-length* > | default} [no-advertise] | [no-autoconfig] [no-rtr-address] [off-link] [lifetime {*valid* | infinite} {*preferred* | infinite}]	DELL-ANETSUB00019535
ipv6 neighbor	ipv6 neighbor {*ipv6-address* } {interface *interface* } {*hardware_address* }	DELL-ANETSUB00019535
ipv6 ospf area	ipv6 ospf *process-id* area *area-id*	DELL-ANETSUB00019535
ipv6 ospf cost	ipv6 ospf cost *interface-cost*	DELL-ANETSUB00019535
ipv6 ospf dead-interval	ipv6 ospf dead-interval *seconds*	DELL-ANETSUB00019535
ipv6 ospf hello-interval	ipv6 ospf hello-interval *seconds*	DELL-ANETSUB00019535
ipv6 ospf priority	ipv6 ospf priority *number*	DELL-ANETSUB00019535
ipv6 prefix-list	ipv6 prefix-list list-name { [seq seq-number] {permit|deny} ipv6- prefix/prefix-length [ge ge-value] [le le-value] | description text | renumber renumber-interval first-statement-number }	DELL-ANETSUB00131695
ipv6 route	ipv6 route *ipv6-address prefix-length* {*interface* | *ipv6-address* } [*distance*] [tag *value*] [permanent]	DELL-ANETSUB00019535
ipv6 router ospf	ipv6 router ospf *process-id*	DELL-ANETSUB00019535
ipv6 unicast-routing	ipv6 unicast-routing	DELL-ANETSUB00019535
isis hello-multiplier	isis hello-multiplier *multiplier* [level-1 | level-2]	DELL-ANETSUB00019535
isis metric	isis metric *default-metric* [level-1 | level-2]	DELL-ANETSUB00019535
isis priority	isis priority *value* [level-1 | level-2]	DELL-ANETSUB00019535
is-type	is-type {level-1 | level-1-2 | level-2-only}	DELL-ANETSUB00019535
lacp port-priority	lacp port-priority *priority-value*	DELL-ANETSUB00019535
lacp system-priority	lacp system-priority *priority-value*	DELL-ANETSUB00019535
lldp receive	lldp receive	DELL-ANETSUB00131695
lldp reinit	lldp reinit-delay seconds	DELL-ANETSUB00122372
lldp run	lldp run no lldp run	DELL-ANETSUB00114148
lldp timer	lldp timers [interval *transmit-interval*] [hold *hold-multiplier*] [reinit *reinit- delay*]	DELL-ANETSUB00131695
lldp transmit	lldp transmit	DELL-ANETSUB00131695
log-adjacency-changes	log-adjacency-changes	DELL-ANETSUB00019535
log-adjacency-changes (IS-IS)	log-adjacency-changes	DELL-ANETSUB00019535
log-adjacency-changes (OSPFv3)	log-adjacency-changes	DELL-ANETSUB00019535

APPENDIX H.DE - Dell Usage of Disputed CLI Commands

logging host	logging host host_ip_address	DELL-ANETSUB00095249
mac access-group	mac access-group *access-list-name* {in [vlan *vlan-range*] | out}	DELL-ANETSUB00019535
mac access-list	mac access-list standard *mac-list-name* // mac access-list extended *access-list-name*	DELL-ANETSUB00019535
mac-address	mac-address *mac-address*	DELL-ANETSUB00026077
mac-address-table aging-time	mac-address-table aging-time *seconds*	DELL-ANETSUB00019535
mac-address-table static	mac-address-table static *mac-address* output *interface* vlan *vlan-id*	DELL-ANETSUB00019535
maximum-paths	maximum-paths {ebgp | ibgp} *number* // *maximum-paths number*	DELL-ANETSUB00019535
maximum-paths (OSPFv3)	maximum-paths *number*	DELL-ANETSUB00019535
neighbor activate	neighbor [*ip-address* | *peer-group-name*] activate	DELL-ANETSUB00019535
neighbor allowas-in	neighbor {*ip-address* | *peer-group-name*} allowas-in *number*	DELL-ANETSUB00019535
neighbor default-originate	neighbor {*ip-address* | *peer-group-name*} default-originate [route-map *map-name*]	DELL-ANETSUB00019535
neighbor description	neighbor {*ip-address* | *peer-group-name*} description *text*	DELL-ANETSUB00019535
neighbor ebgp-multihop	neighbor {*ipv6-address* | *peer-group-name*} ebgp-multihop [*ttl*]	DELL-ANETSUB00019535
neighbor local-as	neighbor {*ip-address* | *peer-group-name*} local-as *as* -number [no-prepend]	DELL-ANETSUB00019535
neighbor next-hop-self	neighbor {*ip-address* | *peer-group-name*} next-hop-self	DELL-ANETSUB00019535
neighbor password	neighbor {*ip-address* | *peer-group-name*} password [*encryption-type*] *password*	DELL-ANETSUB00019535
neighbor peer-group (assigning members)	neighbor *ip-address* peer-group *peer-group-name*	DELL-ANETSUB00019535
neighbor peer-group (creating)	neighbor *peer-group-name* peer-group	DELL-ANETSUB00019535
neighbor remote-as	neighbor {*ip-address* | *peer-group-name*} remote-as *number*	DELL-ANETSUB00019535
neighbor remove-private-as	neighbor {*ip-address* | *peer-group-name*} remove-private-as	DELL-ANETSUB00019535
neighbor route-map	neighbor {*ip-address* | *peer-group-name*} route-map *map-name* {in | out}	DELL-ANETSUB00019535
neighbor route-reflector-client	neighbor {*ip-address* | *peer-group-name*} route-reflector-client	DELL-ANETSUB00019535
neighbor shutdown	neighbor {*ip-address* | *peer-group-name*} shutdown	DELL-ANETSUB00019535
neighbor timers	neighbor {*ip-address* | *peer-group-name*} timers *keepalive holdtime*	DELL-ANETSUB00019535
neighbor update-source	neighbor {*ip-address* | *peer-group-name*} update-source *interface*	DELL-ANETSUB00019535
neighbor weight	neighbor {*ip-address* | *peer-group-name*} weight *weight*	DELL-ANETSUB00019535
passive-interface	passive-interface *interface*	DELL-ANETSUB00019535
passive-interface (OSPFv3)	passive-interface {default | *interface* }	DELL-ANETSUB00019535
port-channel load-balance	port-channel load-balance {layer-2 | layer-2-3 | layer-2-3-4}	DELL-ANETSUB00122372
private-vlan	[no] private-vlan mode {community | isolated | primary}	DELL-ANETSUB00019535
radius-server deadtime	radius-server deadtime deadtime	DELL-ANETSUB00131695
radius-server host	radius-server host {*hostname* | *ipv4-address* | *ipv6-address* } [auth-port *port-number*] [retransmit retries] [timeout seconds] [key [encryption-type] key]	DELL-ANETSUB00019535
radius-server key	radius-server key [*encryption-type*] *key*	DELL-ANETSUB00019535
radius-server retransmit	radius-server retransmit *retries*	DELL-ANETSUB00019535
radius-server timeout	radius-server timeout *seconds*	DELL-ANETSUB00019535
route-map	route-map *map-name*	DELL-ANETSUB00019535
router bgp	router bgp *as-number*	DELL-ANETSUB00019535
router isis	ip router isis [*tag*] // ipv6 router isis [tag]	DELL-ANETSUB00019535
router ospf	router ospf *process-id* [vrf *{vrf name}]*	DELL-ANETSUB00019535
router rip	router rip	DELL-ANETSUB00019535
router-id	router-id *ip-address*	DELL-ANETSUB00019535
router-id (OSPFv3)	router-id *ip-address*	DELL-ANETSUB00019535
set-overload-bit	set-overload-bit	DELL-ANETSUB00019535
show arp	show arp [vrf *vrf name*] [interface *interface* | ip *ip-address* [*mask*] | macaddress mac-address [mac-address mask]] [cpu {cp | rp1 | rp2}] [static | dynamic] [summary]	DELL-ANETSUB00019535
show bfd neighbors	show bfd neighbors *interface* [detail]	DELL-ANETSUB00019535
show clock	show clock [detail]	DELL-ANETSUB00019535
show dot1q-tunnel	show dot1q-tunnel [interface interface-id]	DELL-ANETSUB00131695
show dot1x	show dot1x [interface interface-id [statistics]]	DELL-ANETSUB00131695
show dot1x statistics	show dot1x [interface interface-id [statistics]]	DELL-ANETSUB00131695
show environment all	show environment [all | fan | linecard | linecard-voltage | PEM | RPM | SFM]	DELL-ANETSUB00019535
show hosts	show hosts	DELL-ANETSUB00019535
show interfaces	show interfaces *interface*	DELL-ANETSUB00019535
show interfaces description	show interfaces [*interface*] description	DELL-ANETSUB00019535
show interfaces status	show interfaces [*interface* | linecard *slot-number*] status	DELL-ANETSUB00019535
show interfaces switchport	show interfaces switchport [*interface* [linecard *slot-number*] | stack-unit *unit-id*]	DELL-ANETSUB00019535
show interfaces switchport backup	show interfaces [gigabitethernet | tengigabitethernet] slot/port transceiver Enter the keyword backup to view the backup interface for this interface.	DELL-ANETSUB00019535
show interfaces transceiver	show interfaces [gigabitethernet | tengigabitethernet] *slot/port* transceiver	DELL-ANETSUB00019535
show inventory	show inventory [media *slot*]	DELL-ANETSUB00019535
show ip access-lists	show ip access-lists [*access-list-name*] [interface *interface*] [in |out]	DELL-ANETSUB00019535
show ip bgp	show ip bgp *[ipv4 unicast]* [*network* [*network-mask*] [longer-prefixes]]	DELL-ANETSUB00019535
show ip bgp community	show ip bgp *[ipv4 unicast]* community [*community-number*] [local-as] [no-export] [no-advertise]	DELL-ANETSUB00019535
show ip bgp neighbors	show ip bgp [ipv4 unicast] neighbors [*ipv4-neighbor-addr* | *ipv6-neighbor-addr*] [advertised-routes | dampened-routes | detail | flap-statistics | routes | {received-routes [*network* [*network-mask*]] | {denied-routes [*network* [*network-mask*]]}]	DELL-ANETSUB00019535
show ip bgp paths	show ip bgp paths [regexp *regular-expression*]	DELL-ANETSUB00019535

APPENDIX H.DE - Dell Usage of Disputed CLI Commands

show ip bgp peer-group	show ip bgp *[ipv4 unicast]* peer-group [*peer-group-name* [detail | summary]]	DELL-ANETSUB00019535
show ip bgp regexp	show ip bgp regexp *regular-expression* [*character*]	DELL-ANETSUB00019535
show ip bgp summary	show ip bgp *[ipv4 unicast]* summary	DELL-ANETSUB00019535
show ip dhcp snooping	show ip dhcp snooping [binding | source-address-validation]	DELL-ANETSUB00019535
show ip helper-address	show ip helper-address [vrf vrf-name][intf-address]	DELL-ANETSUB00131695
show ip igmp groups	show ip igmp groups [*group-address* [detail] | detail | *interface* [*group-address* [detail]]]	DELL-ANETSUB00019535
show ip igmp interface	show ip igmp interface [*interface*]	DELL-ANETSUB00019535
show ip igmp snooping groups	show ip igmp snooping groups [vlan vlan-id] [address ip-multicast-address]	DELL-ANETSUB00131695
show ip igmp snooping mrouter	show ip igmp snooping mrouter [vlan *number*]	DELL-ANETSUB00019535
show ip interface	show ip interface [*interface* | brief | linecard *slot-number*] [configuration]	DELL-ANETSUB00019535
show ip interface brief	show ip interface [*interface* | brief | linecard *slot-number*] [configuration]	DELL-ANETSUB00019535
show ip ospf	show ip ospf *process-id* [vrf *vrf name]*	DELL-ANETSUB00019535
show ip ospf interface	show ip ospf *process-id* interface [*interface*]	DELL-ANETSUB00019535
show ip ospf neighbor	show ip ospf *process-id* neighbor	DELL-ANETSUB00019535
show ip pim interface	show ip pim interface	DELL-ANETSUB00019535
show ip pim neighbor	show ip pim neighbor	DELL-ANETSUB00019535
show ip pim rp	show ip pim rp [mapping | *group-address*]	DELL-ANETSUB00019535
show ip rip database	show ip rip database [*ip-address mask*]	DELL-ANETSUB00019535
show ip route	show ip route *[vrf [vrf name] hostname* | *ip-address* [*mask*] [longer-prefixes] | list *prefix-list* | protocol [process-id | routing-tag] | all | connected | static | summary]	DELL-ANETSUB00019535
show ip route summary	show ip route summary	DELL-ANETSUB00019535
show ipv6 interface	show ipv6 interface *interface* [brief] [configured] [gigabitethernet *slot* / *slot/port*] [linecard *slot-number*] [loopback *interface-number*] [managementethernet *slot/port*] [port-channel *number*] [tengigabitethernet *slot* / *slot/port*] [vlan *vlan-id*]	DELL-ANETSUB00019535
show ipv6 neighbors	show ipv6 neighbors [*ipv6-address*] [cpu {rp1 [*ipv6-address*] | rp2 [*ipv6-address*]}] [interface *interface*]	DELL-ANETSUB00019535
show ipv6 ospf interface	show ipv6 ospf [*interface*]	DELL-ANETSUB00019535
show ipv6 ospf neighbor	show ipv6 ospf neighbor [*interface*]	DELL-ANETSUB00019535
show ipv6 route	show ipv6 route [*ipv6-address prefix-length*] [hostname] [all] [bgp as number] [connected] [isis tag] [list prefix-list name] [ospf process-id] [rip] [static] [summary]	DELL-ANETSUB00019535
show ipv6 route summary	show ipv6 route [*ipv6-address prefix-length*] [hostname] [all] [bgp as number] [connected] [isis tag] [list prefix-list name] [ospf process-id] [rip] [static] [summary]	DELL-ANETSUB00019535
show isis database	show isis database [level-1 | level-2] [local] [detail | summary] [*lspid*]	DELL-ANETSUB00019535
show isis interface	show isis interface [*interface*]	DELL-ANETSUB00019535
show lacp counters	show lacp *port-channel-number* [sys-id | counters]	DELL-ANETSUB00019535
show lldp neighbors	show lldp neighbors [*interface*] [detail]	DELL-ANETSUB00019535
show mac access-lists	show mac access-lists [*access-list-name*] [interface *interface*] [in | out]	DELL-ANETSUB00019535
show mac-address-table	show mac-address-table [dynamic | static] [address *mac-address* | interface *interface* | vlan *vlan-id*] [count [vlan *vlan-id*] [interface *interface-type* [*slot* [*/port*]]]]	DELL-ANETSUB00019535
show mac-address-table aging time	show mac-address-table aging-time [vlan *vlan-id*]	DELL-ANETSUB00019535
show mac-address-table count	show mac-address-table [dynamic | static] [address *mac-address* | interface *interface* | vlan *vlan-id*] [count [vlan *vlan-id*] [interface *interface-type* [*slot* [*/port*]]]]	DELL-ANETSUB00019535
show monitor session	show monitor session {*session-ID* }	DELL-ANETSUB00019535
show policy-map interface	show policy-map interface {interface-id} {in|out}	DELL-ANETSUB00131695
show port-security	show port-security [*interface-id* | all | dynamic *interface-id* | static *interface-id* | violation *interface-id*]	DELL-ANETSUB00131695
show privilege	show privilege	DELL-ANETSUB00019535
show qos maps	show qos map [dscp-queue | tcp-port-queue | udp-port-queue]	DELL-ANETSUB00122116
show radius	show radius statistics [accounting | authentication] [{ipaddress | hostname | name servername}]	DELL-ANETSUB00131695
show route-map	show route-map [*map-name*]	DELL-ANETSUB00019535
show snmp	show snmp	DELL-ANETSUB00019535
show snmp engineID	show snmp engineID	DELL-ANETSUB00019535
show spanning-tree	show spanning-tree 0 [active | brief | guard | interface *interface* | root | summary]	DELL-ANETSUB00019535
show spanning-tree blockedports		DELL-ANETSUB00019535
show spanning-tree interface	show spanning-tree 0 [active | brief | guard | interface *interface* | root | summary]	DELL-ANETSUB00019535
show spanning-tree mst configuration	show spanning-tree mst configuration	DELL-ANETSUB00019535
show storm-control	show storm-control broadcast [*interface*] //show storm-control multicast [interface] // show storm-control unknown-unicast [interface]	DELL-ANETSUB00019535
show tacacs	show tacacs [ip-address]	DELL-ANETSUB00131695
show users	show users [all]	DELL-ANETSUB00019535
show version	show version	DELL-ANETSUB00019535
show vlan	show vlan [brief | id *vlan-id* | name *vlan-name*]	DELL-ANETSUB00019535
show vlan internal usage	show vlan internal usage	DELL-ANETSUB00122372
show vlan private-vlan	show vlan private-vlan [community | *interface* | isolated | primary | *primary_vlan* | interface *interface*]	DELL-ANETSUB00019535

APPENDIX H.DE - Dell Usage of Disputed CLI Commands

snmp-server community	snmp-server community *community-name* {ro | rw} [ipv6 *ipv6-access-list-name* [ipv6 *ipv6-access-list-name* | *access-list-name* | security-name *name*] | security-name *name* [ipv6 *ipv6-access-list-name* | *access-list-name* | security-name *name*] | *access-list-name* [ipv6 *ipv6-access-list-name* | *access-list-name* | security-name *name*]]]	DELL-ANETSUB00019535
snmp-server contact	snmp-server contact *text*	DELL-ANETSUB00019535
snmp-server enable traps	snmp-server enable traps [*notification-type*] [*notification-option*]	DELL-ANETSUB00019535
snmp-server engineID local	snmp-server engineID [local *engineID*] [remote *ip-address* udp-port *port-number engineID]*	DELL-ANETSUB00019535
snmp-server engineID remote	snmp-server engineID [local *engineID*] [remote *ip-address* udp-port *port-number engineID]*	DELL-ANETSUB00019535
snmp-server group	snmp-server group [*group_name* {1 | 2c | 3 {auth | noauth | priv}}] [read *name*] [write *name*] [notify *name*] [*access-list-name* | ipv6 *access-list-name* | *access-list-name* ipv6 *access-list-name*]]	DELL-ANETSUB00019535
snmp-server host	snmp-server host *ip-address* | *ipv6-address* [traps | informs] [version 1 | 2c | 3] [auth | no auth | priv] [community-string] [udp-port port-number] [notification-type]	DELL-ANETSUB00019535
snmp-server location	snmp-server location *text*	DELL-ANETSUB00019535
snmp-server user	snmp-server user *name* {*group_name* remote *ip-address* udp-port *port-number*} [1 | 2c | 3] [encrypted] [auth {md5 | sha} *auth-password*] [priv des56 *priv password*] [*access-list-name* | ipv6 *access-list-name* | *access-list-name* ipv6 *access-list-name*]	DELL-ANETSUB00019535
snmp-server view	snmp-server view *view-name oid-tree* {included | excluded}	DELL-ANETSUB00019535
spanning-tree bpduguard	spanning-tree bpduguard {enable | disable} no spanning-tree bpduguard	DELL-ANETSUB00114148
spanning-tree cost	spanning-tree [vlan vlan-list] cost cost	DELL-ANETSUB00131695
spanning-tree link-type	spanning-tree link-type {auto | point-to-point | shared}	DELL-ANETSUB00095249
spanning-tree mode	spanning-tree mode {stp | rstp | mst | pvst | rapid-pvst}	DELL-ANETSUB00131695
spanning-tree mst configuration	spanning-tree mst configuration	DELL-ANETSUB00131695
spanning-tree port-priority	spanning-tree [vlan vlan-id] port-priority priority	DELL-ANETSUB00131695
storm-control	storm-control broadcast [*percentage decimal_value* in | out] | [wred-profile name]] [packets_per_second in] // storm-control multicast packets_per_second in // storm-control unknown-unicast [percentage decimal_value [in | out]] | [wred-profile name]] [packets_per_second in] //	DELL-ANETSUB00019535
switchport access vlan	switchport access vlan *vlan-id*	DELL-ANETSUB00122116
switchport backup interface	[no] switchport backup interface {gigabit slot/port | tengigabit slot/port | port-channel number}].	DELL-ANETSUB00019535
switchport mode	[no] switchport mode private-vlan {host | promiscuous | trunk}	DELL-ANETSUB00019535
switchport private-vlan mapping	switchport private-vlan {host-association primary-vlan-id secondary-vlan-id | mapping primary-vlan-id [add|remove] secondary-vlan-list}	DELL-ANETSUB00131695
switchport trunk allowed vlan	switchport trunk {allowed vlan vlan–list | native vlan vlan–id}	DELL-ANETSUB00131695
switchport trunk native vlan	switchport trunk {allowed vlan vlan–list | native vlan vlan–id}	DELL-ANETSUB00131695
tacacs-server host	tacacs-server host {*hostname* | *ipv4-address* | *ipv6-address*} [port *number*] [timeout seconds] [key key]	DELL-ANETSUB00019535
tacacs-server key	tacacs-server key [*encryption-type*] key	DELL-ANETSUB00019535
tacacs-server timeout	tacacs-server host {*hostname* | *ipv4-address* | *ipv6-address*} [port *number*] [timeout seconds] [key key]	DELL-ANETSUB00019535
terminal length	terminal length *screen-length*	DELL-ANETSUB00019535
timers bgp	timers bgp *keepalive holdtime*	DELL-ANETSUB00019535
vrrp delay reload	vrrp delay reload seconds	CSI-CLI-04785577

EXHIBIT H.DL - D-Link Usage of Disputed CLI Commands

Disputed Cisco Command	D-Link Command Syntax	D-Link Manual Bates Number*
aaa accounting	aaa accounting commands *level* {default | *list-name* } start-stop *method1* [*method2* ...]	ARISTANDCA13247737
aaa authentication login	aaa authentication login {default | *list-name* } *method1* [*method2* ...]	ARISTANDCA13247737
aaa group server radius	aaa group server {radius | tacacs+} *name*	ARISTANDCA13247737
aaa group server tacacs+	aaa group server {radius | tacacs+} *name*	ARISTANDCA13247737
address-family	address-family ipv4 vrf *vrf-name* // address-family ipv4 [*unicast*]	ARISTANDCA13247737
area default-cost	area *area-id* default-cost *cost*	ARISTANDCA13247737
area default-cost (OSPFv3)	area *area-id* default-cost *cost*	ARISTANDCA13247737
area nssa	area *area-id* nssa [no-redistribution] [default-information-originate [metric <*0-16777214* > | metric-type <*1-2* >]] [no-summary]	ARISTANDCA13247737
area nssa (OSPFv3)	area *area-id* nssa [no-redistribution] [default-information-originate [metric <*0-16777214* > | metric-type <*1-2* >]] [no-summary]	ARISTANDCA13247737
area nssa no-summary	area *area-id* nssa [no-redistribution] [default-information-originate [metric <*0-16777214* > | metric-type <*1-2* >]] [no-summary]	ARISTANDCA13247737
arp timeout	arp timeout *seconds*	ARISTANDCA13247737
banner login	banner login *c message c*	ARISTANDCA13247737
bfd all-interfaces	bfd all-interfaces	ARISTANDCA13247737
bgp client-to-client reflection	bgp client-to-client reflection	ARISTANDCA13247737
bgp cluster-id	bgp cluster-id *cluster-id*	ARISTANDCA13247737
bgp confederation identifier	bgp confederation identifier *as-number*	ARISTANDCA13247737
bgp confederation peers	bgp confederation peers *as-number* [...*as-number*]	ARISTANDCA13247737
boot system	boot system *priority* prefix:/[directory/]filename	ARISTANDCA13247737
channel-group	channel-group *CHANNEL-NO* mode {on | active | passive}	ARISTANDCA13250221
clear arp-cache	clear arp-cache [vrf *vrf_name* | trusted] [*ip* [*mask*]] | interface *interface-name*]	ARISTANDCA13247737
clear counters	clear counters [*interface-id*]	ARISTANDCA13247737
clear ip bgp	clear ip bgp {* |ipv4 unicast*address* | as *number* } [[soft] [in | out]]	ARISTANDCA13247737
clear ip igmp group	clear ip igmp [vrf *vrf-name*] group [*group-address* [*interface-type interface-number*]]	ARISTANDCA13247737
clear ip mroute	clear ip mroute [vrf *vrf-name*] {* | *group-address* [*source -address*]}	ARISTANDCA13247737
clear ip nat translation	clear ip nat translation *	ARISTANDCA13245259
clear ipv6 neighbors	clear ipv6 neighbors	ARISTANDCA13247737
clear lldp counters	clear lldp counters [all | interface *INTERFACE-ID* [, | -]]	ARISTANDCA13250221
clear lldp table	clear lldp table {all | interface *INTERFACE-ID* [, | -]}	ARISTANDCA13250221
clear mac-address-table dynamic	clear mac-address-table dynamic [address *mac-addr*] [interface *interface-id*]	ARISTANDCA13247737
clock set	clock set *hh:mm:ss month day year*	ARISTANDCA13247737
clock timezone	clock timezone {+ | -} *HOURS-OFFSET* [*MINUTES-OFFSET*]	ARISTANDCA13250221
default-information originate (OSPF)	area *area-id* nssa [no-redistribution] [default-information-originate [metric <*0-16777214* > | metric-type <*1-2* >]] [no-summary]	ARISTANDCA13247737
default-information originate (OSPFv3)	area *area-id* nssa [no-redistribution] [default-information-originate [metric <*0-16777214* > | metric-type <*1-2* >]] [no-summary]	ARISTANDCA13247737
default-metric (OSPF)	default-metric *metric*	ARISTANDCA13247737
default-metric (OSPFv3)	default-metric *metric*	ARISTANDCA13247737
distance bgp	distance bgp *external-distance internal-distance local-distance*	ARISTANDCA13247737
dot1x pae authenticator	dot1x pae authenticator	ARISTANDCA13250221
dot1x port-control	dot1x port-control auto	ARISTANDCA13247737
dot1x reauthentication	[no] dot1x re-authentication	ARISTANDCA13247737
dot1x system-auth-control	dot1x system-auth-control	ARISTANDCA13250221
dot1x timeout quiet-period	dot1x timeout quiet-period *seconds*	ARISTANDCA13247737
dot1x timeout reauth-period	dot1x timeout re-authperiod *seconds*	ARISTANDCA13247737
dot1x timeout tx-period	dot1x timeout tx-period *seconds*	ARISTANDCA13247737
errdisable recovery cause	errdisable recovery cause {all | psecure-violation | storm-control | bpdu-protect | arp-rate | dhcp-rate | loopback-detect | l2pt-guard} [interval *SECONDS*]	ARISTANDCA13250221
interface ethernet	interface ethernet slot/port	ARISTANDCA13245259
interface loopback	interface loopback number	ARISTANDCA13245259
interface port-channel	interface port-channel port-channel-number no interface port-channel	ARISTANDCA13245936 ARISTANDCA13250221
interface vlan	interface vlan *vlan-id*	ARISTANDCA13247737
ip access-group	ip access-group {*id* |*name* } {in|out} [unreflect | reflect]	ARISTANDCA13247737
ip access-list	ip access-list {extended | standard} {*id* |*name* }	ARISTANDCA13247737
ip access-list standard	ip access-list {extended | standard} {*id* |*name* }	ARISTANDCA13247737
ip address	ip address *ip-address network-mask* [secondary] | [gateway *ip-address*]	ARISTANDCA13247737
ip as-path access-list	ip as-path access-list *path-list-num* {permit | deny}	ARISTANDCA13247737
ip community-list expanded	ip community-list {[standard | expanded] *community-list-name* | *community-number* } {permit | deny} [*community-number*]	ARISTANDCA13247737
ip community-list standard	ip community-list {[standard | expanded] *community-list-name* | *community-number* } {permit | deny} [*community-number*]	ARISTANDCA13247737
ip dhcp smart-relay	ip dhcp smart-relay	ARISTANDCA13251549
ip dhcp snooping	[no] ip dhcp snooping	ARISTANDCA13247737
ip dhcp snooping information option	[no] ip dhcp snooping information option [standard-format]	ARISTANDCA13247737

EXHIBIT H.DL - D-Link Usage of Disputed CLI Commands

ip dhcp snooping vlan	[no] ip dhcp snooping vlan {*vlan-rng*	{*vlan-min* [*vlan-max*]}}	ARISTANDCA13247737
ip domain lookup	ip domain-lookup	ARISTANDCA13247737
ip extcommunity-list expanded	ip extcommunity-list {*expanded-list*	expanded *list-name* } {permit	deny} [*regular-expression*]	ARISTANDCA13247737
ip extcommunity-list standard	ip extcommunity-list {*standard-list*	standard *list-name* } {permit	deny} [rt *value*] [soo *value*]	ARISTANDCA13247737
ip helper-address	[no] ip helper-address [vrf *vrf-name*]*A.B.C.*	ARISTANDCA13247737
ip host	ip host *host-name ip-address*	ARISTANDCA13247737
ip igmp last-member-query-interval	ip igmp last-member-query-interval *interval*	ARISTANDCA13247737
ip igmp query-interval	ip igmp query-interval *seconds*	ARISTANDCA13247737
ip igmp query-max-response-time	ip igmp query-max-response-time *seconds*	ARISTANDCA13247737
ip igmp snooping	ip igmp snooping	ARISTANDCA13247737
ip igmp snooping querier	ip igmp snooping querier	ARISTANDCA13247737
ip igmp static-group	ip igmp static-group *group-address*	ARISTANDCA13247737
ip igmp version	ip igmp version {1	2	3}	ARISTANDCA13247737
ip local-proxy-arp	ip local-proxy-arp	ARISTANDCA13250221
ip multicast boundary	ip multicast boundary *access-list*	ARISTANDCA13247737
ip multicast-routing	ip multicast-routing [vrf *vrf-name*]	ARISTANDCA13247737
ip name-server	ip name-server {*ip-address*	*ipv6-address*}	ARISTANDCA13247737
ip nat pool	ip nat pool name start-ip end-ip netmask	ARISTANDCA13245259
ip nat translation tcp-timeout	ip nat translation tcp-timeout seconds	ARISTANDCA13245259
ip nat translation udp-timeout	ip nat translation udp-timeout seconds	ARISTANDCA13245259
ip ospf authentication	ip ospf authentication [message-digest	null]	ARISTANDCA13247737
ip ospf authentication-key	ip ospf authentication-key *key*	ARISTANDCA13247737
ip ospf cost	ip ospf cost *cost*	ARISTANDCA13247737
ip ospf dead-interval	ip ospf dead-interval *seconds*	ARISTANDCA13247737
ip ospf hello-interval	ip ospf hello-interval *seconds*	ARISTANDCA13247737
ip ospf message-digest-key	ip ospf message-digest-key *key-id* md5 *key*	ARISTANDCA13247737
ip ospf network	ip ospf network {broadcast	non-broadcast	point-to-multipoint [non-broadcast]	point-to-point}	ARISTANDCA13247737
ip ospf priority	ip ospf priority *priority*	ARISTANDCA13247737
ip pim bsr-candidate	ip pim [vrf *vrf-name*]bsr-candidate *interface-type interface-number* [*hash-mask-length*] [*priority-value*]	ARISTANDCA13247737
ip pim dr-priority	ip pim dr-priority *priority-value*	ARISTANDCA13247737
ip pim query-interval	ip pim query-interface *interval-seconds*	ARISTANDCA13247737
ip pim rp-address	ip pim [vrf *vrf-name*] rp-address *rp-address [access_list]*	ARISTANDCA13247737
ip pim rp-candidate	ip pim [vrf *vrf-name*] rp-candidate *interface-type interface-number* [priority *priority-value*] [interval *interval-seconds*] [group-list *access_list*]	ARISTANDCA13247737
ip pim sparse-mode	ip pim sparse-mode	ARISTANDCA13247737
ip pim spt-threshold	ip pim [vrf *vrf-name*] spt-threshold [group-list *access_list*]	ARISTANDCA13247737
ip pim ssm range	ip pim [vrf *vrf-name*] ssm {default	range *access_list* }	ARISTANDCA13247737
ip prefix-list	ip prefix-list *prefix-list-name* [seq *seq-number*] { deny	permit } *ip-prefix* [ge *minimum-prefix-length*][le *maximum-prefix- length*]	ARISTANDCA13247737
ip proxy-arp	ip proxy-arp	ARISTANDCA13247737
ip radius source-interface	ip radius source-interface *interface*	ARISTANDCA13247737
ip route	ip route [vrf *vrf_name*] *network net-mask* {*ip-address*	*interface* [*ip-address*]} [*distance*] [tag *tag*] [permanent] [weight *number*] [disable	enable]	ARISTANDCA13247737
ip routing	ip routing	ARISTANDCA13247737
ip tacacs source-interface	ip tacacs source-interface *interface*	ARISTANDCA13247737
ipv6 access-list	ipv6 access-list *name*	ARISTANDCA13247737
ipv6 address	ipv6 address ipv6-address/prefix-length ipv6 address ipv6-prefix/prefix-length eui-64 ipv6 address prefix-name sub-bits/prefix-length [eui-64]	ARISTANDCA13247737
ipv6 dhcp relay destination	show ipv6 dhcp relay destination { all	interface *interface-type interface-number* }	ARISTANDCA13247737
ipv6 enable	no ipv6 enable	ARISTANDCA13247737
ipv6 access-group	ipv6 access-group {*NAME*	*NUMBER* } [in]	ARISTANDCA13251549
ipv6 nd managed-config-flag	ipv6 nd managed-config-flag	ARISTANDCA13247737
ipv6 nd ns-interval	ipv6 nd ns-interval *milliseconds*	ARISTANDCA13247737
ipv6 nd other-config-flag	ipv6 nd other-config-flag	ARISTANDCA13247737
ipv6 nd prefix	ipv6 nd prefix {*ipv6-prefix* /*prefix-length*	default }[[*valid-lifetime preferred-lifetime*]	[at *valid-date preferred-date*]	[infinite	*preferred-lifetime*]] [no-advertise]	[[off-link] [no-autoconfig]]	ARISTANDCA13247737
ipv6 nd ra interval	ipv6 nd ra-interval {*seconds* / min-max *min_value max_value* }	ARISTANDCA13247737
ipv6 nd ra lifetime	ipv6 nd ra-lifetime *seconds*	ARISTANDCA13247737
ipv6 nd reachable-time	ipv6 nd reachable-time *milliseconds*	ARISTANDCA13247737
ipv6 neighbor	ipv6 neighbor *ipv6-address interface-id hardware-address*	ARISTANDCA13247737
ipv6 ospf area	ipv6 ospf *process-id* area *area-id* [instance *instance-id*]	ARISTANDCA13247737
ipv6 ospf cost	ipv6 ospf cost *cost* [instance *instance-id*]	ARISTANDCA13247737
ipv6 ospf dead-interval	ipv6 ospf dead-interval *seconds* [instance *instance-id*]	ARISTANDCA13247737
ipv6 ospf hello-interval	ipv6 ospf hello-interval *seconds* [instance *instance-id*]	ARISTANDCA13247737
ipv6 ospf priority	ipv6 ospf priority *number-value* [instance *instance-id*]	ARISTANDCA13247737
ipv6 ospf retransmit- interval	ipv6 ospf retransmit-interval *seconds* [instance *instance-id*]	ARISTANDCA13247737
ipv6 ospf transmit-delay	ipv6 ospf transmit-delay *seconds* [instance *instance-id*]	ARISTANDCA13247737

EXHIBIT H.DL - D-Link Usage of Disputed CLI Commands

ipv6 route	ipv6 route *ipv6-prefix* /*prefix-length* {*ipv6-address* | *interface-id* [*ipv6-address*] } [*distance*] [weight *number*]	ARISTANDCA13247737
ipv6 router ospf	ipv6 router ospf *[process-id]*	ARISTANDCA13247737
lacp port-priority	lacp port-priority *port-priority*	ARISTANDCA13247737
lacp system-priority	lacp system-priority *system-priority*	ARISTANDCA13247737
lldp receive	lldp receive	ARISTANDCA13251549
lldp reinit	lldp reinit *SECONDS*	ARISTANDCA13251549
lldp run	lldp run	ARISTANDCA13251549
lldp timer	lldp timers [interval <interval-seconds>] [hold <hold-value>] [reinit <reinit-seconds>]	ARISTANDCA13252251 ARISTANDCA13246835
lldp tlv-select	lldp tlv-select [port-description | system-capabilities | system-description | system-name]	ARISTANDCA13251549
lldp transmit	lldp transmit	ARISTANDCA13251549
logging host	logging host <ipaddr> [<port>][<severitylevel>]	ARISTANDCA13246835
mac access-group	mac access-group {*id* |*name* }{in|out}	ARISTANDCA13247737
mac-address-table aging-time	mac-address-table aging-time *seconds*	ARISTANDCA13247737
mac-address-table static	mac-address-table static *mac-addr* vlan *vlan-id* interface *interface-id*	ARISTANDCA13247737
maximum-paths	maximum-paths *number*	ARISTANDCA13247737
maximum-paths (OSPFv3)	maximum-paths *number*	ARISTANDCA13247737
neighbor activate	neighbor {*peer-address* | *peer-group-name* } activate	ARISTANDCA13247737
neighbor allowas-in	neighbor {*peer-address* | *peer-group-name* } allowas-in number	ARISTANDCA13247737
neighbor default-originate	neighbor {*peer-address* | *peer-group-name* } default-originate [route-map *map-tag*]	ARISTANDCA13247737
neighbor description	neighbor {*peer-address* | *peer-group-name* } description *text*	ARISTANDCA13247737
neighbor ebgp-multihop	neighbor {*peer-address* | *peer-group-name* } ebgp-multihop [*ttl*]	ARISTANDCA13247737
neighbor next-hop-self	neighbor {*peer-address* | *peer-group-name* } next-hop-self	ARISTANDCA13247737
neighbor password	neighbor {*peer-address* | *peer-group-name* } password [0 | 7]*string*	ARISTANDCA13247737
neighbor peer-group (assigning members)	neighbor *peer-address* peer-group *peer-group-name*	ARISTANDCA13247737
neighbor peer-group (creating)	neighbor *peer-group-name* peer-group	ARISTANDCA13247737
neighbor remote-as	neighbor {*peer-address* | *peer-group-name* } remote-as *as-number*	ARISTANDCA13247737
neighbor remove-private-as	neighbor {*peer-address* | *peer-group-name* } remove-private-as	ARISTANDCA13247737
neighbor route-map	neighbor {*peer -address* |*peer-group-name* } route-map *map-tag* {in | out}	ARISTANDCA13247737
neighbor route-reflector-client	neighbor {*ip -address* | *peer-group-name* } route-reflector-client	ARISTANDCA13247737
neighbor send-community	neighbor {*peer-address* | *peer-group-name* } send-community [both | standard | extended]	ARISTANDCA13247737
neighbor shutdown	neighbor {*peer-address* / *peer-group-name* } shutdown	ARISTANDCA13247737
neighbor soft-reconfiguration	neighbor {*peer-address* | *peer-group-name* } soft-reconfiguration inbound	ARISTANDCA13247737
neighbor timers	neighbor [*peer-address* | *peer-group-name*] timers *keepalive holdtime*	ARISTANDCA13247737
neighbor update-source	neighbor {*peer-address* | *peer-group-name* } update-source *interface-type interface-index*	ARISTANDCA13247737
neighbor weight	neighbor {*ip-address* |*peer-group-name* } weight *number*	ARISTANDCA13247737
network area	network *ip-address wildcard* area *area-id*	ARISTANDCA13247737
no snmp-server	no snmp-server	ARISTANDCA13247737
passive-interface	passive-interface {default | *interface-type interface-num* }	ARISTANDCA13247737
passive-interface (OSPFv3)	passive-interface {default | *interface-type interface-num* }	ARISTANDCA13247737
passive-interface default	passive-interface {default | *interface-type interface-num* }	ARISTANDCA13247737
port-channel load-balance	port-channel load-balance {dst-ip | dst-mac | src-dst-ip | src-dst-mac | src-ip | src-mac}	ARISTANDCA13251549
private-vlan	private-vlan {community | isolated | primary}	ARISTANDCA13247737
radius-server deadtime	radius-server deadtime *minnutes*	ARISTANDCA13247737
radius-server host	radius-server host { *ipv4-address* | *ipv6-address* } [auth-port *port-number*] [acct-port *port-number*] [test username *name* [idle-time *time*] [ignore-auth-port] [ignore-acct-port]]	ARISTANDCA13247737
route-map	route-map *route-map-name* [permit | deny] [*sequence-number*]	ARISTANDCA13247737
router bgp	router bgp *as-number*	ARISTANDCA13247737
show arp	show arp [[vrf *vrf-name*] [trusted] *ip* [*mask*] | static | complete | incomplete | mac-address]	ARISTANDCA13247737
show bfd neighbors	show bfd neighbors [vrf vrf-name] [client { bgp | ospf | rip | vrrp | static-route | vrrp-balance | ldp-lsp | static-lsp | backward-lsp-with-ip | pst}] [ipv4 ip-address | ipv6 ip-address] [details]	ARISTANDCA13247737
show clock	show clock [slots | devices| module]	ARISTANDCA13247737
show dot1q-tunnel	show dot1q-tunnel [interface *intf-id*]	ARISTANDCA13247737
show dot1x	show dot1x	ARISTANDCA13247737
show dot1x statistics	show dot1x statistics [interface *INTERFACE-ID* [, | -]]	ARISTANDCA13251549
show environment power	show environment [fan | power | temperature]	ARISTANDCA13251549
show environment temperature	show environment [fan | power | temperature]	ARISTANDCA13251549
show hosts	show hosts	ARISTANDCA13247737
show interfaces	show interfaces	ARISTANDCA13247737
show interfaces status	show interfaces [*INTERFACE-ID* [,|-]] status	ARISTANDCA13251549
show interfaces switchport	show interfaces switchport	ARISTANDCA13247737
show interfaces switchport backup	show interfaces switchport backup detail	ARISTANDCA13247737
show interfaces transceiver	show interfaces [*INTERFACE-ID* [,|-] transceiver [detail]	ARISTANDCA13251549
show ip access-lists	show ip access-list	ARISTANDCA13247737
show ip arp	show ip arp	ARISTANDCA13247737

EXHIBIT H.DL - D-Link Usage of Disputed CLI Commands

show ip bgp	show ip bgp [{*network* | *network-mask* }] [longer-prefixes]	ARISTANDCA13247737
show ip bgp community	show ip bgp community	ARISTANDCA13245259
show ip bgp neighbors	show ip bgp neighbors	ARISTANDCA13247737
show ip bgp paths	show ip bgp paths	ARISTANDCA13245259
show ip bgp peer-group	show ip bgp peer-group	ARISTANDCA13247737
show ip bgp regexp	show ip bgp regexp regular-expression	ARISTANDCA13245259
show ip bgp summary	show ip bgp summary	ARISTANDCA13247737
show ip community-list	show ip community-list [*community-list-number* | *community-list-name*]	ARISTANDCA13247737
show ip dhcp snooping	show ip dhcp snooping	ARISTANDCA13247737
show ip extcommunity-list	show ip extcommunity-list [*extcommunity-list-num* | *extcommunity-list-name*]	ARISTANDCA13247737
show ip helper-address	show ip helper-address <interface>	ARISTANDCA13247171
show ip igmp groups	show ip igmp [vrf vrf-name] groups [group-address | interface-type interface-number] [detail]	ARISTANDCA13247737
show ip igmp interface	show ip igmp [vrf vrf-name] interface [interface-type interface-number]	ARISTANDCA13247737
show ip igmp snooping	show ip igmp snooping [gda-table | interfaces | mdevice / statistics [vlan *vlan-id*]]	ARISTANDCA13247737
show ip igmp snooping groups	show ip igmp snooping groups [vlan *VLAN-ID* | [*IP-ADDRESS*]	ARISTANDCA13251549
show ip igmp snooping mrouter	show ip igmp snooping mrouter [vlan *VLAN-ID*]	ARISTANDCA13251549
show ip interface	show ip interface [*interface-type interface-number* | brief]	ARISTANDCA13247737
show ip interface brief	show ip interface [*interface-type interface-number* | brief]	ARISTANDCA13247737
show ip mroute	show ip mroute [vrf *vrf-name*] [*group-or-source-address* [*group-or-source-address*]] [dense | sparse] [summary | count]	ARISTANDCA13247737
show ip mroute count	show ip mroute [vrf *vrf-name*] [*group-or-source-address* [*group-or-source-address*]] [dense | sparse] [summary | count]	ARISTANDCA13247737
show ip nat translations	show ip nat translations [verbose]	ARISTANDCA13245259
show ip ospf border-routers	show ip ospf [*process-id*] border-mrouters	ARISTANDCA13247737
show ip ospf database database-summary	show ip ospf [process-id area-id]database [database-summary]	ARISTANDCA13247737
show ip ospf interface	show ip ospf interface [*interface-type interface-number*]	ARISTANDCA13247737
show ip ospf neighbor	show ip ospf [*process-id*] neighbor [[detail] | [[*interface-type interface-number*] [*neighbor-id*]]]	ARISTANDCA13247737
show ip pim interface	show ip pim interface [dense-mode | sparse-mode | sparse-dense-mode] [*INTERFACE-ID*] [detail]	ARISTANDCA13250221
show ip pim neighbor	show ip pim neighbor [*INTERFACE-ID*]	ARISTANDCA13250221
show ip pim rp-hash	show ip pim rp-hash GROUP-ADDRESS	ARISTANDCA13250221
show ip prefix-list	show ip prefix-list [*prefix-name*]	ARISTANDCA13247737
show ip rip database	show ip rip database [vrf *vrf-name*] [*network-number* {*network-mask* }]	ARISTANDCA13247737
show ip route	show ip route [[vrf *vrf_name*] [*network* [*mask*] | count | *protocol* [*process-id*] | weight]]	ARISTANDCA13247737
show ip route summary	show ip route [vrf *vrf_name*] summary	ARISTANDCA13247737
show ipv6 interface	show ipv6 interface [interface-id] [ra-info]	ARISTANDCA13247737
show ipv6 neighbors	show ipv6 neighbors [verbose] [*interface-id*] [*ipv6-address*]	ARISTANDCA13247737
show ipv6 ospf	show ipv6 ospf [*process-id*]	ARISTANDCA13247737
show ipv6 ospf border-routers	show ip ospf [*process-id*] border-mrouters	ARISTANDCA13247737
show ipv6 ospf interface	show ipv6 ospf interface [*interface -type interface-number*]	ARISTANDCA13247737
show ipv6 ospf neighbor	show ipv6 ospf [*process- id*] neighbor [interface-type *interface-number [detail]* | *neighbor-id* |*detail]*	ARISTANDCA13247737
show ipv6 prefix-list	show ipv6 prefix-list [prefix-name]	ARISTANDCA13247737
show ipv6 route	show ipv6 route [static | local | connected]	ARISTANDCA13247737
show ipv6 route summary	show ipv6 route summary	ARISTANDCA13247737
show lldp	show lldp	ARISTANDCA13250221
show lldp traffic	show lldp traffic	ARISTANDCA13250221
show mac access-lists	show mac access-lists [name]	ARISTANDCA13247171
show mac-address-table	show mac-address-table [address *mac-addr*] [interface *interface-id*] [vlan *vlan-id*]	ARISTANDCA13247737
show mac-address-table aging time	show mac-address-table aging-time	ARISTANDCA13247737
show mac-address-table count	show mac-address-table count	ARISTANDCA13247737
show monitor session	show monitor session	ARISTANDCA13247737
show ntp status	show ntp status	ARISTANDCA13247737
show policy-map interface	show policy-map interface *INTERFACE-ID*	ARISTANDCA13250221
show port-security	show port-security [address] [interface *interface-id*] [all]	ARISTANDCA13247737
show port-security address	show port-security [address] [interface *interface-id*] [all]	ARISTANDCA13247737
show port-security interface	show port-security [address] [interface *interface-id*] [all]	ARISTANDCA13247737
show privilege	show privilege	ARISTANDCA13250221
show ptp clock	show ptp clock	ARISTANDCA13252251
show radius	show radius parameter // show radius server // show radius vendor-specific	ARISTANDCA13247737
show reload	show reload	ARISTANDCA13247737
show route-map	show route-map [*ROUTE-MAP-NAME*]	ARISTANDCA13250221
show snmp	show snmp [mib | user | view | group | host]	ARISTANDCA13247737
show snmp community	show snmp community {<community_string 32>}	ARISTANDCA13252251
show snmp engineID	show snmp engineID	ARISTANDCA13252251
show snmp group	show snmp [mib | user | view | group | host]	ARISTANDCA13247737
show snmp host	show snmp [mib | user | view | group | host]	ARISTANDCA13247737

EXHIBIT H.DL - D-Link Usage of Disputed CLI Commands

show snmp mib	show snmp [mib | user | view | group | host]	ARISTANDCA13247737
show snmp user	show snmp [mib | user | view | group | host]	ARISTANDCA13247737
show snmp view	show snmp [mib | user | view | group | host]	ARISTANDCA13247737
show spanning-tree	show spanning-tree [summary |forward-time | hello-time | max-age | inconsistentports | tx-hold-count | pathcost method | max_hops]	ARISTANDCA13247737
show spanning-tree blockedports	show spanning-tree [ethernet interface -number| port-channel port-channel-number] [instance instance-id] show spanning-tree [detail] [active | blockedports] [instance instance-id] show spanning-tree mst-configuration	ARISTANDCA13245936
show spanning-tree interface	show spanning-tree interface interface-id [{bpdufilter | portfast | bpduguard | link-type }]	ARISTANDCA13247737
show spanning-tree mst	show spanning-tree mst	ARISTANDCA13247737
show spanning-tree mst configuration	show spanning-tree mst configuration	ARISTANDCA13247737
show spanning-tree mst interface	show spanning-tree mst interface *interface-id*	ARISTANDCA13247737
show storm-control	show storm-control [*interface-id*]	ARISTANDCA13247737
show tacacs	show tacacs	ARISTANDCA13247737
show users	show users	ARISTANDCA13250221
show version	show clock [slots | devices| module]	ARISTANDCA13247737
show vlan	show vlan [id *vlan-id*]	ARISTANDCA13247737
show vlan internal usage	show vlan internal usage	ARISTANDCA13245936
show vlan private-vlan	show vlan private-vlan [community | primary | isolated]	ARISTANDCA13247737
show vrf	show vrf [brief] [vrf-name] // show vrf ipv4 [vrf-name] // show vrf ipv6 [vrf-name] // show vrf detail [vrf-name]	ARISTANDCA13247737
snmp-server chassis-id	snmp-server chassis-id *text*	ARISTANDCA13247737
snmp-server community	snmp-server community *string* [view *view-name*] [[ro | rw] [host *ipaddr*] [ipv6 *ipv6-aclname*] [*aclnum*] [*aclname*]	ARISTANDCA13247737
snmp-server contact	snmp-server contactTT *text*	ARISTANDCA13247737
snmp-server enable traps	snmp-server enable traps [snmp]	ARISTANDCA13247737
snmp-server engineID local	snmp-server engineID local *ENGINEID-STRING*	ARISTANDCA13250221
snmp-server group	snmp-server group *groupname* {v1 | v2c | v3 {auth | noauth | priv}} [read *readview*][write *writeview*] [access {[ipv6 ipv6_aclname] [*aclnum* |*aclname*] num|name}]	ARISTANDCA13247737
snmp-server host	snmp-server host {*host-addr* | ipv6 *ipv6-addr* } [vrf *vrfname*] [traps] [version {1 | 2c | 3 [auth | noauth | priv]] *community-string* [udp-port *port-num*][*notification-type*]	ARISTANDCA13247737
snmp-server location	nmp-server locationTT TT*text* TT	ARISTANDCA13247737
snmp-server user	snmp-server user *username groupname* {v1 | v2c | v3 [encrypted] [auth {md5 | sha} *auth-password*] [priv des56 *priv-password*]} [access {[ipv6 ipv6_aclname][ac*lnum* | ac*lname* }]]	ARISTANDCA13247737
snmp-server view	snmp-server view *view-name* oid-tree {include | exclude}	ARISTANDCA13247737
spanning-tree bpdufilter	spanning-tree bpdufilter [enabled | disabled]	ARISTANDCA13247737
spanning-tree bpduguard	spanning-tree bpduguard [enabled | disabled]	ARISTANDCA13247737
spanning-tree cost		ARISTANDCA13247737
spanning-tree link-type	spanning-tree link-type [point-to-point | shared]	ARISTANDCA13247737
spanning-tree loopguard default	spanning-tree loopguard default	ARISTANDCA13247737
spanning-tree mode	spanning-tree mode [stp | rstp | mstp]	ARISTANDCA13247737
spanning-tree mst configuration	spanning-tree mst configuration	ARISTANDCA13247737
spanning-tree portfast bpdufilter default	spanning-tree portfast bpdufilter default	ARISTANDCA13247737
spanning-tree portfast bpduguard default	spanning-tree portfast bpduguard default	ARISTANDCA13247737
spanning-tree port-priority	spanning-tree port-priority *PRIORITY*	ARISTANDCA13250221
storm-control	storm-control {broadcast | multicast | unicast} [{level *percent* | pps *packets* |*rate-bps* }]	ARISTANDCA13247737
switchport access vlan	switchport access vlan *vlan-id*	ARISTANDCA13247737
switchport mode	switchport mode {access | trunk}	ARISTANDCA13247737
switchport port-security	switchport port-security [violation {protect | restrict | shutdown}]	ARISTANDCA13247737
switchport port-security maximum	switchport port-security maximum *value*	ARISTANDCA13247737
switchport private-vlan mapping	switchport private-vlan mapping *p_vid* {*svlist* |add *svist* |remove *svlist* }	ARISTANDCA13247737
switchport trunk allowed vlan	switchport trunk {allowed vlan {all | [add | remove | except] *vlan-list* }| native vlan *vlan-id* }	ARISTANDCA13247737
switchport trunk native vlan	switchport trunk {allowed vlan {all | [add | remove | except] *vlan-list* }| native vlan *vlan-id* }	ARISTANDCA13247737
switchport vlan mapping	switchport vlan mapping original-vlan *ORIGINAL-VLAN* [, | -] {[*ORIGINAL-INNER-VLAN*] resultant–vlan *RESULTANT-VLAN* [*RESULTANT-INNER-VLAN*] | dot1q-tunnel *DOT1Q-TUNNEL- VLAN* } [priority *COS-VALUE*]	ARISTANDCA13250221
tacacs-server host	tacacs-server host {*ip-address* | *ipv6-address* } [port *integer*] [timout *integer*] [key *string*]	ARISTANDCA13247737
tacacs-server key	tacacs-server key [*0* | *7*] *string*	ARISTANDCA13247737
tacacs-server timeout	tacacs-server timeout *seconds*	ARISTANDCA13247737
terminal length	terminal length default *NUMBER*	ARISTANDCA13250221
timers basic (RIP)	timers basic *update invalid flush*	ARISTANDCA13247737
timers bgp	timers bgp *keepalive holetime*	ARISTANDCA13247737
timers lsa arrival	timers lsa arrival *arrival-time*	ARISTANDCA13247737
timers throttle lsa all	timers throttle lsa all *delay-time hold-time max-wait-time*	ARISTANDCA13247737
timers throttle spf	timers throttle spf *spf-delay spf-holdtime spf-max-waittime*	ARISTANDCA13247737
vrf definition	vrf definition	ARISTANDCA13247737

EXHIBIT H.DL - D-Link Usage of Disputed CLI Commands

vrrp authentication	vrrp *group* authentication *string*	ARISTANDCA13247737
vrrp ip	vrrp *group* ip *ipaddress* [secondary]	ARISTANDCA13247737
vrrp preempt	vrrp *group* preempt [delay *seconds*]	ARISTANDCA13247737
vrrp timers advertise	vrrp *group* timers advertise *interval*	ARISTANDCA13247737

* Due to late D-Link document production, the Bates Numbers for D-Link produced documents will be provided in a supplement.

APPENDIX H.EC - Edge-Core Usage of Disputed CLI Commands

Disputed Cisco Command	Edge-Core Command Syntax	Edge-Core Manual Bates Number
aaa accounting	aaa accounting commands level {default	method-name} start-stop group {tacacs+	server-group}	EC004411
aaa accounting dot1x	aaa accounting dot1x {default	method-name} start-stop group {radius	tacacs+	server-group}	EC004411
aaa authentication login	authentication login {[local] [radius] [tacacs]}	EC004411
aaa group server radius	[no] aaa group server {radius	tacacs+} group-name	EC004411
aaa group server tacacs+	[no] aaa group server {radius	tacacs+} group-name	EC004411
address-family	address-family {ipv4	ipv6}	EC000499
aggregate-address	[no] aggregate-address ip-address netmask [as-set] [summary only]	EC004411
area default-cost	area area-id default-cost cost	EC004411
area default-cost (OSPFv3)	area area-id default-cost cost	EC004411
area nssa	[no] area area-id nssa [translator-role [candidate	never	always]]	[no-redistribution]	[no-summary]	[default-information-originate [metric metric-value	metric-type type-value]]	EC004411
area nssa (OSPFv3)	[no] area area-id nssa [translator-role [candidate	never	always]]	[no-redistribution]	[no-summary]	[default-information-originate [metric metric-value	metric-type type-value]]	EC004411
area nssa default-information-originate	[no] area area-id nssa [translator-role [candidate	never	always]]	[no-redistribution]	[no-summary]	[default-information-originate [metric metric-value	metric-type type-value]]	EC004411
area nssa default-information-originate (OSPFv3)	[no] area area-id nssa [translator-role [candidate	never	always]]	[no-redistribution]	[no-summary]	[default-information-originate [metric metric-value	metric-type type-value]]	EC004411
area nssa no-summary	[no] area area-id nssa [translator-role [candidate	never	always]]	[no-redistribution]	[no-summary]	[default-information-originate [metric metric-value	metric-type type-value]]	EC004411
area range	[no] area area-id range ipv6-prefix/prefix-length {advertise	not-advertise}	EC004411
area range (OSPFv3)	[no] area area-id range ipv6-prefix/prefix-length {advertise	not-advertise}	EC004411
area stub	[no] area area-id stub [no-summary]	EC004411
area stub (OSPFv3)	[no] area area-id stub [no-summary]	EC004411
arp timeout	arp timeout seconds	EC004411
bgp log-neighbor-changes	bgp log-neighbor-changes	EC004411
boot system	boot system [unit:] {boot-rom	config	opcode}: filename	EC004411
clear arp-cache	clear arp-cache	EC004411
clear counters	clear counters interface	EC004411
clear ip bgp	clear ip bgp { *	as-number	external	peer-group group-name	neighbor-address} [in [prefix-list]	out	soft [in	out]]	EC004411
clear ip ospf neighbor	clear ip ospf neighbor [neighbor-id]	EC000499
clear ipv6 neighbors	clear ipv6 neighbors	EC004411
clear mac-address-table dynamic	clear mac-address-table dynamic	EC004411
clock set	clock set hh:mm:ss	EC000001
clock timezone	clock timezone name hour hours minute minutes {before-utc	after-utc}	EC004411
default-information originate (OSPF)	[no] default-information originate	EC004411
default-information originate (OSPFv3)	[no] default-information originate	EC004411
default-metric (OSPF)	default-metric metric-value	EC004411
default-metric (OSPFv3)	default-metric metric-value	EC004411
distance bgp	distance bgp ebgp-distance ibgp-distance local-distance	EC004411
dot1x pae authenticator	dot1x pae {supplicant	authenticator}	EC000499
dot1x port-control	dot1x port-control {auto	force-authorized	force-unauthorized}	EC004411
dot1x reauthentication	[no] dot1x re-authentication	EC004411
dot1x system-auth-control	[no] dot1x system-auth-control	EC004411
dot1x timeout quiet-period	dot1x timeout quiet-period seconds	EC004411
dot1x timeout reauth-period	dot1x timeout re-authperiod seconds	EC004411
dot1x timeout tx-period	dot1x timeout tx-period seconds	EC004411

interface ethernet	[no] interface interface
	  interface
	    ethernet unit/port-list
	      unit - Unit identifier. (Range: 1-8)
	      port-list - Physical port number or list of port numbers.
	      Separate nonconsecutive port numbers with a comma and no
	      spaces; or use a hyphen to designate a range of port numbers.
	      (Range: 1-28/52)
	      port-channel channel-id (Range: 1-16)
		EC004411

interface loopback	interface loopback id	EC000001

interface port-channel	[no] interface interface
	  interface
	    ethernet unit/port-list
	      unit - Unit identifier. (Range: 1-8)
	      port-list - Physical port number or list of port numbers.
	      Separate nonconsecutive port numbers with a comma and no
	      spaces; or use a hyphen to designate a range of port numbers.
	      (Range: 1-28/52)
	      port-channel channel-id (Range: 1-16)
		EC004411

APPENDIX H.EC - Edge-Core Usage of Disputed CLI Commands

interface vlan	[no] interface interface
	  interface
	    ethernet unit/port-list
	      unit - Unit identifier. (Range: 1-8)
	      port-list - Physical port number or list of port numbers.
	      Separate nonconsecutive port numbers with a comma and no
	      spaces; or use a hyphen to designate a range of port numbers.
	      (Range: 1-28/52)
	      port-channel channel-id (Range: 1-16)
		EC004411

ip access-group	ip access-group acl-name in [time-range time-range-name] [counter]	EC004411
ip access-list	ip access-list name	EC000001
ip address	ip address {ip-address netmask [secondary] [default-gateway ip-address] | bootp | dhcp}	EC004411
ip dhcp snooping	[no] ip dhcp snooping	EC004411
ip dhcp snooping information option	ip dhcp snooping information option [encode no-subtype] [remote-id {ip-address [encode {ascii | hex}] | mac-address [encode {ascii | hex}] | string string}]	EC004411
ip dhcp snooping vlan	no] ip dhcp snooping vlan vlan-id	EC004411
ip domain lookup	[no] ip domain-list name	EC004411
ip domain-name	ip domain-name name	EC004411
ip helper-address	[no] ip helper-address ip-address	EC004411
ip host	[no] ip host name address	EC004411
ip igmp snooping	[no] ip igmp snooping [vlan vlan-id]	EC004411
ip igmp snooping querier	[no] ip igmp snooping querier	EC004411
ip igmp snooping vlan immediate-leave	ip igmp snooping vlan vlan-id immediate-leave [by-host-ip]	EC004411
ip igmp snooping vlan mrouter	[no] ip igmp snooping vlan vlan-id mrouter interface	EC004411
ip igmp snooping vlan static	ip igmp snooping vlan vlan-id query-resp-intvl interval	EC004411
ip name-server	[no] ip name-server server-address1 [server-address2 ...server-address6]	EC004411
ip ospf authentication	ip ospf [ip-address] authentication [message-digest | null]	EC004411
ip ospf cost	ip ospf [ip-address] cost cost	EC004411
ip ospf dead-interval	ip ospf [ip-address] dead-interval seconds	EC004411
ip ospf hello-interval	ip ospf [ip-address] hello-interval seconds	EC004411
ip ospf network	ip ospf network {broadcast | point-to-point}	EC000499
ip ospf priority	ip ospf [ip-address] priority priority	EC004411
ip ospf retransmit-interval	ip ospf [ip-address] retransmit-interval seconds	EC004411
ip ospf transmit-delay	ip ospf [ip-address] transmit-delay seconds	EC004411
ip route	ip route destination-ip netmask next-hop [distance]	EC004411
ip routing	ip routing	EC004411
ipv6 access-group	ipv6 access-group acl-name in [time-range time-range-name] [counter]	EC004411
ipv6 access-list	ipv6 access-list name	EC000001
ipv6 address	[no] ipv6 address ipv6-address[/prefix-length]	EC004411
ipv6 dhcp relay destination	[no] ipv6 dhcp relay destination {ipv6-address | multicast {all | vlan vlan-id}}	EC004411
ipv6 enable	[no] ipv6 enable	EC004411
ipv6 host	[no] ipv6 host name ipv6-address	EC004411
ipv6 nd managed-config-flag	[no] ipv6 nd managed-config-flag	EC004411
ipv6 nd ns-interval	ipv6 nd ns-interval milliseconds	EC004411
ipv6 nd other-config-flag	[no] ipv6 nd other-config-flag	EC004411
ipv6 nd prefix	ipv6 nd prefix ipv6-address/prefix-length {default | [valid-lifetime preferred-lifetime [no-autoconfig | off-link]]}	EC004411
ipv6 nd ra interval	ipv6 nd ra interval minimum-interval [maximum-interval]	EC004411
ipv6 nd ra lifetime	ipv6 nd ra lifetime lifetime	EC004411
ipv6 nd reachable-time	ipv6 nd reachable-time milliseconds	EC004411
ipv6 nd router-preference	ipv6 nd router-preference {low | medium | high}	EC000499
ipv6 ospf area	ipv6 ospf area 0-4294967295	EC000499
ipv6 ospf cost	ipv6 ospf cost cost [instance-id instance-id]	EC004411
ipv6 ospf dead-interval	ipv6 ospf dead-interval seconds [instance-id instance-id]	EC004411
ipv6 ospf hello-interval	ipv6 ospf hello-interval seconds [instance-id instance-id]	EC004411
ipv6 ospf network	ipv6 ospf network {broadcast | point-to-point}	EC000499
ipv6 ospf priority	ipv6 ospf priority priority [instance-id instance-id]	EC004411
ipv6 ospf retransmit-interval	ipv6 ospf retransmit-interval seconds [instance-id instance-id]	EC004411
ipv6 ospf transmit-delay	ipv6 ospf transmit-delay seconds [instance-id instance-id]	EC004411
ipv6 route	[no] ipv6 route destination-ipv6-address/prefix-length {gateway-address [distance] | link-local-address%zone-id [distance]}	EC004411
ipv6 router ospf	[no] router ipv6 ospf [tag process-name]	EC004411
ipv6 unicast-routing	ipv6 unicast-routing	EC000499
lacp port-priority	lacp {actor | partner} port-priority priority	EC004411
lacp system-priority	lacp {actor | partner} system-priority priority	EC004411
lldp receive	lldp receive	EC000001
lldp transmit	lldp transmit	EC000001
log-adjacency-changes	log-adjacency-changes [detail]	EC000499
logging host	logging host host-ip-address [port udp-port]	EC004411
mac access-group	mac access-group acl-name in [time-range time-range-name] [counter]	EC004411
mac-address-table aging-time	mac-address-table aging-time seconds	EC004411
mac-address-table static	mac-address-table static mac-address interface interface vlan vlan-id [action]	EC004411
maximum-paths	maximum-paths path-count	EC004411

APPENDIX H.EC - Edge-Core Usage of Disputed CLI Commands

maximum-paths (OSPFv3)	maximum-paths path-count	EC004411
neighbor activate	[no] neighbor {ip-address | group-name} activate	EC004411
neighbor default-originate	neighbor {ip-address | group-name} default-originate [route-map map-name]	EC004411
neighbor description	neighbor {ip-address | group-name} description description	EC004411
neighbor next-hop-self	[no] neighbor {ip-address | group-name} next-hop-self	EC004411
neighbor password	neighbor {ip-address | group-name} password	EC004411
neighbor remote-as	neighbor {ip-address | group-name} remote-as as-number	EC004411
neighbor route-map	neighbor {ip-address | group-name} route-map map-name {in | out}	EC004411
neighbor send-community	[no] neighbor {ip-address | group-name} send-community [both | extended | standard]	EC004411
neighbor shutdown	[no] neighbor {ip-address | group-name} shutdown	EC004411
neighbor timers	[no] neighbor {ip-address | group-name} timers keepalive-time hold-time	EC004411
neighbor update-source	[no] neighbor {ip-address | group-name} update-source interface vlan vlan-id	EC004411
network area	[no] network ip-address netmask area area-id	EC004411
no snmp-server	[no] snmp-server	EC004411
ntp authenticate	[no] ntp authenticate	EC004411
ntp authentication-key	ntp authentication-key number md5 key	EC004411
ntp server	ntp server ip-address [key key-number]	EC004411
passive-interface	[no] passive-interface vlan vlan-id [no] passive-interface vlan vlan-id [ip-address] [no] passive-interface vlan vlan-id [ipv6-address]	EC004411
passive-interface (OSPFv3)	[no] passive-interface vlan vlan-id [no] passive-interface vlan vlan-id [ip-address] [no] passive-interface vlan vlan-id [ipv6-address]	EC004411
passive-interface default	passive-interface default	EC000499
port-channel load-balance	port channel load-balance {dst-ip | dst-mac | src-dst-ip | src-dst-mac | src-ip | src mac}	EC004411
port-channel min-links	port-channel min-links 1-8	EC000001
priority-flow-control mode	priority-flow-control mode {on | off}	EC000001
radius-server host	[no] radius-server index host host-ip-address [acct-port acct-port] [authport auth-port] [key key] [retransmit retransmit] [timeout timeout]	EC004411
radius-server key	radius-server key key-string	EC004411
radius-server retransmit	radius-server retransmit number-of-retries	EC004411
radius-server timeout	radius-server timeout number-of-seconds	EC004411
route-map	[no] route-map map-name {deny | permit} sequence-number	EC004411
router bgp	[no] router bgp as-number	EC004411
router ospf	[no] router ospf [process-id]	EC004411
router-id	router-id ip-address	EC004411
router-id (OSPFv3)	router-id ip-address	EC004411
show arp	show arp	EC004411
show clock	show clock	EC000001
show dot1q-tunnel	show dot1q-tunnel [interface interface [service svid] | service [svid]]	EC004411

show dot1x	show dot1x [statistics] [interface interface]
	  statistics - Displays dot1x status for each port.
	  interface
	    ethernet unit/port
	      unit - Unit identifier. (Range: 1-8)
	      port - Port number (Range: 1-28/52)
		EC004411

show dot1x statistics	show dot1x [statistics] [interface interface]
	  statistics - Displays dot1x status for each port.
	  interface
	    ethernet unit/port
	      unit - Unit identifier. (Range: 1-8)
	      port - Port number (Range: 1-28/52)
		EC004411

show hosts	show hosts	EC004411
show interfaces status	show interfaces status [interface]	EC004411
show interfaces switchport	show interfaces switchport [interface]	EC004411
show interfaces transceiver	show interfaces transceiver [interface]	EC004411
show ip access-lists	show ip access-lists [accesslistnumber | name]	EC000001
show ip bgp	show ip bgp ip-address [netmask [longer-prefixes]]	EC004411
show ip bgp community	show ip bgp community [{[AA:NN] [internet] [local-as] [no-advertise] [no-export]} [exact-match]]	EC004411
show ip bgp neighbors	show ip bgp neighbors [ip-address [advertised-routes | received prefix-filter | received-routes | routes]]	EC004411
show ip bgp summary	show ip bgp summary	EC004411
show ip dhcp snooping	show ip dhcp snooping	EC004411
show ip helper-address	[no] ip helper-address ip-address show ip helper	EC004411
show ip igmp snooping	show ip igmp snooping [vlan vlan-id]	EC004411
show ip igmp snooping mrouter	show ip igmp snooping mrouter [vlan vlan-id]	EC004411
show ip interface	show ip interface	EC004411
show ip interface brief	show ip interface brief	EC000499
show ip ospf	show ip ospf [process-id]	EC004411
show ip ospf database database-summary	show ip ospf database database-summary	EC000499
show ip ospf interface	show ip ospf interface [vlan vlan-id]	EC004411
show ip ospf neighbor	show ip ospf [process-id] neighbor	EC004411

APPENDIX H.EC - Edge-Core Usage of Disputed CLI Commands

show ip route	show ip route [bgp | connected | database | ospf | rip | static | summary]	EC004411
show ip route summary	show ip route summary	EC004411
show ipv6 access-list	show ipv6 access-list {standard | extended} [acl-name]	EC004411
show ipv6 interface	show ipv6 interface [brief [vlan vlan-id [ipv6-prefix/prefix length]]]	EC004411
show ipv6 neighbors	show ipv6 neighbors [vlan vlan-id | ipv6-address]	EC004411
show ipv6 ospf	show ipv6 ospf	EC004411
show ipv6 ospf interface	show ipv6 ospf interface [vlan vlan-id]	EC004411
show ipv6 ospf neighbor	show ipv6 ospf [tag process-id] neighbor	EC004411
show ipv6 route	show ipv6 route [ipv6-address[/prefix-length] database | interface [vlan vlan-id] | local | ospf | static]	EC004411
show ipv6 route summary	show ipv6 route [{ipv6-address [protocol] | {{ipv6-prefix/ipv6-prefix-length | slot/port | vlan 1-4093} [protocol] | protocol | summary} [all] | all}]	EC000499
show lacp counters	show lacp [port-channel] {counters | internal | neighbors | sys-id}	EC004411
show lldp	show lldp	EC000001
show mac access-lists	show mac access-list [acl-name]	EC004411
show mac-address-table	show mac-address-table [address mac-address [mask]] [interface interface] [vlan vlan-id] [sort {address | vlan | interface}]	EC004411
show mac-address-table aging time	show mac-address-table aging-time	EC004411
show mac-address-table count	show mac-address-table count [interface interface]	EC004411
show monitor session	show monitor session session-id	EC000001
show policy-map interface	show policy-map interface interface input	EC004411
show port-security	show port security [interface interface]	EC004411
show port-security interface	show port security [interface interface]	EC004411
show privilege	show privilege [command]	EC004411
show qos maps	show qos map cos-dscp interface interface	EC004411
show reload	show reload	EC004411
show snmp	show snmp	EC004411
show snmp engineID	show snmp engine-id	EC004411
show snmp group	show snmp group	EC004411
show snmp source-interface	show snmp source-interface	EC000001
show snmp user	show snmp user	EC004411
show snmp view	show snmp view	EC004411
show spanning-tree	show spanning-tree [interface | mst instance-id | brief | stp-enabled-only]	EC004411
show spanning-tree mst configuration	show spanning-tree mst configuration	EC004411
show storm-control	show storm-control [all | slot/port]	EC000001
show users	show users	EC004411
show version	show version	EC004411
show vlan	show vlan [id vlan-id | name vlan-name]	EC004411
show vlan internal usage	show vlan internal usage	EC000001
snmp-server community	snmp-server community string [ro | rw]	EC004411
snmp-server contact	snmp-server contact string	EC004411
snmp-server enable traps	[no] snmp-server enable traps [authentication | link-up-down | ethernet cfm | mac-notification [interval seconds]]	EC004411
snmp-server engineID local	snmp-server engine-id {local | remote {ip-address}} engineid-string	EC004411
snmp-server engineID remote	snmp-server engine-id {local | remote {ip-address}} engineid-string	EC004411
snmp-server group	snmp-server group groupname {v1 | v2c | v3 {auth | noauth | priv}} [read readview] [write writeview] [notify notifyview]	EC004411
snmp-server host	snmp-server host host-addr [inform [retry retries | timeout seconds]] community-string [version {1 | 2c | 3 {auth | noauth | priv} [udp-port port]}	EC004411
snmp-server location	snmp-server location text	EC004411
snmp-server user	snmp-server user username groupname {v1 | v2c | v3 [encrypted] [auth {md5 | sha} auth-password [priv des56 priv-password]]	EC004411
snmp-server view	snmp-server view view-name oid-tree {included | excluded}	EC004411
spanning-tree bpdufilter	[no] spanning-tree bpdu-filter	EC004411
spanning-tree bpduguard	spanning-tree bpdu-guard [auto-recovery [interval interval]]	EC004411
spanning-tree cost	spanning-tree cost cost	EC004411
spanning-tree guard	spanning-tree guard {none | root | loop}	EC000001
spanning-tree link-type	spanning-tree link-type {auto | point-to-point | shared}	EC004411
spanning-tree mode	spanning-tree mode {stp | rstp | mstp}	EC004411
spanning-tree mst configuration	spanning-tree mst configuration	EC004411
spanning-tree port-priority	spanning-tree port-priority	EC004411
switchport mode	switchport mode {access | hybrid | trunk}	EC004411
tacacs-server host	tacacs-server index host host-ip-address [key key] [port port-number] [retransmit retransmit] [timeout timeout]	EC004411
tacacs-server key	tacacs-server key key-string	EC004411
tacacs-server timeout	tacacs-server timeout number-of-seconds	EC004411
terminal length	terminal {escape-character {ASCII-number | character} | history [size size] | length length | terminal-type {ansi-bbs | vt-100 | vt-102} | width width}	EC004411
timers bgp	timers bgp keepalive-time hold-time	EC004411
vlan internal allocation policy	vlan internal allocation {base vlan-id | policy ascending | policy decending}	EC000499

APPENDIX H.ER – Ericsson Usage of Disputed CLI Commands

Disputed Cisco Command	Ericsson Command Syntax	Ericsson Manual Bates Number
area default-cost	area <area-id> default-cost <cost>	ARISTANDCA13256136
area nssa	[no] area <area-id> nssa [no-redistribution] [default- information-originate]	ARISTANDCA13256136
area nssa default-information-originate	[no] area <area-id> nssa [no-redistribution] [default- information-originate]	ARISTANDCA13256136
area range	[no] area <area-id> range <ip-address> <netmask> [advertise | not-advertise]	ARISTANDCA13256136
area stub	[no] area <area-id> stub [summary]	ARISTANDCA13256136
arp timeout	arp timeout <seconds>	ARISTANDCA13257362
boot system	boot system {boot-rom| config | opcode}: <filename>	ARISTANDCA13256136
channel-group	channel-group <channel-id>	ARISTANDCA13256136
clear arp-cache	clear arp-cache	ARISTANDCA13256136
clear counters	clear counters <interface>	ARISTANDCA13256136
clear ip igmp group	clear ip igmp group [<group-address> | interface vlan <vlan-id>]	ARISTANDCA13256136
clear mac-address-table dynamic	clear mac-address-table dynamic	ARISTANDCA13256136
clear spanning-tree counters	clear spanning-tree counters	ARISTANDCA13257362
clock set	clock set hh:mm:ss day month year	ARISTANDCA13257362
clock timezone	clock timezone <name> hour <hours> minute <minutes> {before-utc | after-utc}	ARISTANDCA13256136
default-information originate (OSPF)	default-information originate [always] [metric <interface-metric>] [metric-type <metric-type>]	ARISTANDCA13256136
dot1x port-control	dot1x port-control {auto | force-authorized | force- unauthorized}	ARISTANDCA13256136
dot1x reauthentication	[no] dot1x re-authentication	ARISTANDCA13256136
dot1x system-auth-control	[no] dot1x system-auth-control	ARISTANDCA13256136
dot1x timeout quiet-period	dot1x timeout quiet-period <seconds>	ARISTANDCA13256136
dot1x timeout reauth-period	dot1x timeout re-authperiod <seconds>	ARISTANDCA13256136
dot1x timeout tx-period	dot1x timeout tx-period <seconds>	ARISTANDCA13256136
flowcontrol receive	flowcontrol { send | receive } { on | off }	ARISTANDCA13257362
flowcontrol send	flowcontrol { send | receive } { on | off }	ARISTANDCA13257362
interface ethernet	interface {gigabitetherne t|fastethernet} <interface-id>	ARISTANDCA13257362
interface port-channel	interface port- channel <port- channel-id>	ARISTANDCA13257362
interface vlan	interface vlan <interface-id>	ARISTANDCA13257362
ip access-group	[no] ip access-group <acl_name> {in | out}	ARISTANDCA13256136
ip address	ip address {<ip-address> <netmask> | bootp | dhcp} [secondary]	ARISTANDCA13256136
ip domain lookup	[no] ip domain-lookup	ARISTANDCA13256136
ip domain-name	ip domain-name <name>	ARISTANDCA13256136
ip host	[no] ip host <name> <address1> [<address2> ... <address8>]	ARISTANDCA13256136
ip igmp last-member-query-interval	ip igmp last-memb-query-interval <seconds>	ARISTANDCA13256136
ip igmp query-interval	ip igmp query-interval <seconds>	ARISTANDCA13256136
ip igmp snooping	[no] ip igmp snooping	ARISTANDCA13256136
ip igmp snooping querier	[no] ip igmp snooping querier	ARISTANDCA13256136
ip igmp snooping vlan mrouter	[no] ip igmp snooping vlan <vlan-id> mrouter <interface>	ARISTANDCA13256136
ip igmp snooping vlan static	[no] ip igmp snooping vlan <vlan-id> static <ip-address> <interface>	ARISTANDCA13256136
ip igmp version	ip igmp snooping version {1 | 2 | 3}	ARISTANDCA13256136
ip multicast-routing	[no] ip multicast-routing	ARISTANDCA13256136
ip name-server	[no] ip name-server <server-address1> [<server-address2> ... <server-address6>]	ARISTANDCA13256136
ip ospf authentication	ip ospf authentication [message-digest | null]	ARISTANDCA13256136
ip ospf authentication-key	ip ospf authentication-key <key>	ARISTANDCA13256136
ip ospf cost	ip ospf cost <cost>	ARISTANDCA13256136
ip ospf dead-interval	ip ospf dead-interval <seconds>	ARISTANDCA13256136
ip ospf hello-interval	ip ospf hello-interval <seconds>	ARISTANDCA13256136
ip ospf message-digest-key	ip ospf message-digest-key <key-id> md5 <key>	ARISTANDCA13256136
ip ospf priority	ip ospf priority <priority>	ARISTANDCA13256136
ip ospf retransmit-interval	ip ospf retransmit-interval <seconds>	ARISTANDCA13256136
ip ospf transmit-delay	ip ospf transmit-delay <seconds>	ARISTANDCA13256136
ip pim bsr-candidate	ip pim bsr-candidate vlan <vlan-id> [hash-mask-length <hash-mask-length>] [priority <priority>]	ARISTANDCA13256136
ip pim dr-priority	ip pim dr-priority <priority-value>	ARISTANDCA13256136
ip pim rp-address	ip pim rp-address <rp-address> [<group-address mask>] [override]	ARISTANDCA13256136
ip pim rp-candidate	ip pim rp-candidate vlan <vlan-id> [<group-address mask>] [priority <priority>]	ARISTANDCA13256136
ip pim sparse-mode	[no] ip pim sparse-mode	ARISTANDCA13256136
ip pim spt-threshold	[no] ip pim spt-threshold infinity [<group-address mask>]	ARISTANDCA13256136
ip proxy-arp	[no] ip proxy-arp	ARISTANDCA13256136
ip route	ip route {<destination-ip> <netmask> | default} {gateway} [metric <metric>]	ARISTANDCA13256136
ip routing	[no] ip routing	ARISTANDCA13256136
lacp port-priority	lacp {actor | partner} port-priority <priority>	ARISTANDCA13256136
lacp system-priority	lacp {actor | partner} system-priority <priority>	ARISTANDCA13256136
logging host	[no] logging host <host_ip_address>	ARISTANDCA13256136
mac access-group	[no] mac access-group <acl_name> {in | out}	ARISTANDCA13256136
mac-address	mac-address <mac-address>	ARISTANDCA13256136

APPENDIX H.ER - Ericsson Usage of Disputed CLI Commands

mac-address-table aging-time	mac-address-table aging-time <seconds>	ARISTANDCA13256136
mac-address-table static	mac-address-table static <mac-address> interface <interface> vlan <vlan-id> [action]	ARISTANDCA13256136
network area	[no] network <ip-address> <netmask> area <area-id>	ARISTANDCA13256136
no snmp-server	[no] snmp-server	ARISTANDCA13256136
port-channel load-balance	port-channel load-balance {src-mac	dest-mac	src- dest-mac	src-ip	dest-ip	src-dest-ip } [<port- channel-id>]	ARISTANDCA13257362
private-vlan	private-vlan <vlan-id> {primary	isolated}	ARISTANDCA13256136
radius-server host	[no] radius-server <index> host {<host_ip_address>	<host_alias>} [auth-port <auth_port>] [timeout <timeout>] [retransmit <retransmit>] [key <key>]	ARISTANDCA13256136
radius-server key	[no] radius-server <index> host {<host_ip_address>	<host_alias>} [auth-port <auth_port>] [timeout <timeout>] [retransmit <retransmit>] [key <key>]	ARISTANDCA13256136
radius-server retransmit	[no] radius-server <index> host {<host_ip_address>	<host_alias>} [auth-port <auth_port>] [timeout <timeout>] [retransmit <retransmit>] [key <key>]	ARISTANDCA13256136
radius-server timeout	[no] radius-server <index> host {<host_ip_address>	<host_alias>} [auth-port <auth_port>] [timeout <timeout>] [retransmit <retransmit>] [key <key>]	ARISTANDCA13256136
router ospf	[no] router ospf	ARISTANDCA13256136
router rip	[no] router rip	ARISTANDCA13256136
router-id	router-id <ip-address>	ARISTANDCA13256136
show arp	show arp	ARISTANDCA13256136
show clock	show clock	ARISTANDCA13257362
show dot1q-tunnel	show dot1q-tunnel	ARISTANDCA13256136
show dot1x	show dot1x [statistics] [interface <interface>]	ARISTANDCA13256136
show dot1x statistics	show dot1x [statistics] [interface <interface>]	ARISTANDCA13256136
show etherchannel	show etherchannel [[<port-channel-id>] { detail	load- balance	port	port-channel	summary	protocol}]	ARISTANDCA13257362
show hosts	show hosts	ARISTANDCA13256136
show interfaces	show interfaces status [interface]// show interfaces counters [interface] // show interfaces switchport [interface] //	ARISTANDCA13256136
show interfaces status	show interfaces status [interface]	ARISTANDCA13256136
show interfaces switchport	show interfaces switchport [interface]	ARISTANDCA13256136
show ip arp	show ip arp [Vlan <vlan-id>	<ip-address>	<aa:aa:aa:aa:aa:aa>	summary	information]	ARISTANDCA13257362
show ip igmp groups	show ip igmp groups [<group-address>	interface vlan <vlan-id>]	ARISTANDCA13256136
show ip igmp interface	show ip igmp interface [vlan <vlan-id>]	ARISTANDCA13256136
show ip igmp snooping	show ip igmp snooping	ARISTANDCA13256136
show ip igmp snooping groups	show ip igmp snooping groups [Vlan <vlan-id> [Group < ip-address >]]	ARISTANDCA13257362
show ip igmp snooping mrouter	show ip igmp snooping mrouter [vlan <vlan-id>]	ARISTANDCA13256136
show ip interface	show ip interface [Vlan <vlan-id>]	ARISTANDCA13257362
show ip mroute	show ip mroute [<group-address> <source>] [summary]	ARISTANDCA13256136
show ip ospf	show ip ospf	ARISTANDCA13256136
show ip ospf border-routers	show ip ospf border-routers	ARISTANDCA13256136
show ip ospf database database-summary	show ip ospf [area-id] database [database-summary]	ARISTANDCA13256136
show ip ospf interface	show ip ospf interface [vlan <vlan-id>]	ARISTANDCA13256136
show ip ospf neighbor	show ip ospf neighbor	ARISTANDCA13256136
show ip pim interface	show ip pim interface <vlan-id>	ARISTANDCA13256136
show ip pim neighbor	show ip pim neighbor [ip-address]	ARISTANDCA13256136
show ip pim rp-hash	show ip pim rp-hash <group-address>	ARISTANDCA13256136
show ip route	show ip route [config	<address> [netmask]]	ARISTANDCA13256136
show lacp counters	show lacp [<port-channel>] {counters	internal	neighbors	sys-id}	ARISTANDCA13256136
show lacp neighbor	show lacp [<port-channel>] {counters	internal	neighbors	sys-id}	ARISTANDCA13256136
show mac-address-table	show mac-address-table [address <mac-address> [mask]] [interface <interface>] [vlan <vlan-id>][sort {address	vlan	interface}]	ARISTANDCA13256136
show mac-address-table aging time	show mac-address-table aging-time	ARISTANDCA13256136
show mac-address-table count	show mac-address-table count [vlan <vlan-id>]	ARISTANDCA13257362
show policy-map interface	show policy-map interface interface input	ARISTANDCA13256136
show privilege	show privilege	ARISTANDCA13257362
show snmp	show snmp	ARISTANDCA13256136
show snmp community	show snmp community	ARISTANDCA13257362
show snmp engineID	show snmp engine-id	ARISTANDCA13256136
show snmp group	show snmp group	ARISTANDCA13256136
show snmp user	show snmp user	ARISTANDCA13256136
show snmp view	show snmp view	ARISTANDCA13256136
show spanning-tree	show spanning-tree [interface] mst <instance_id>	ARISTANDCA13256136
show spanning-tree blockedports	show spanning-tree [summary	blockedports	pathcost method]	ARISTANDCA13257362
show spanning-tree bridge	show spanning-tree bridge [address	forward-time	hello-time	id	max-age	protocol	priority	detail]	ARISTANDCA13257362
show spanning-tree interface	show spanning-tree interface <interface-type> <interface-id> [cost	priority	portfast	rootcost	state	stats	detail]	ARISTANDCA13257362
show spanning-tree mst	show spanning-tree [interface] mst <instance_id>	ARISTANDCA13256136
show spanning-tree mst configuration	show spanning-tree mst configuration	ARISTANDCA13256136

APPENDIX H.ER - Ericsson Usage of Disputed CLI Commands

show spanning-tree root	show spanning-tree root [address	cost	forward-time	hello-time	id	max-age	port	priority	detail]	ARISTANDCA13257362
show users	show users	ARISTANDCA13257362
show version	show version	ARISTANDCA13256136
show vlan	show vlan [brief	id <vlan-id>	summary]	ARISTANDCA13257362
show vlan private-vlan	show vlan private-vlan [primary	isolated]	ARISTANDCA13256136
show vlan summary	show vlan [brief	id <vlan-id>	summary]	ARISTANDCA13257362
show vrrp	show vrrp [brief	<group>]	ARISTANDCA13256136
snmp-server community	snmp-server community <string> [ro	rw]	ARISTANDCA13256136
snmp-server contact	snmp-server contact <string>	ARISTANDCA13256136
snmp-server enable traps	[no] snmp-server enable traps [authentication	link-up- down]	ARISTANDCA13256136
snmp-server engineID local	snmp-server engine-id {local	remote {<ip-address>}} <engineid-string>	ARISTANDCA13256136
snmp-server engineID remote	snmp-server engine-id {local	remote {<ip-address>}} <engineid-string>	ARISTANDCA13256136
snmp-server group	snmp-server group <groupname> {v1	v2c	v3 {auth	noauth	priv}} [read <readview>] [write <writeview>] [notify <notifyview>]	ARISTANDCA13256136
snmp-server host	snmp-server host <host-addr> [inform [retry <retries>	timeout <seconds>]] <community-string> [version {1	2c	3 {auth	noauth	priv} [udp-port <port>]}]	ARISTANDCA13256136
snmp-server location	snmp-server location <text>	ARISTANDCA13256136
snmp-server user	snmp-server user <username> <groupname> [remote <ip- address>] {v1	v2c	v3 [encrypted] [auth {md5	sha} <auth-password> [priv des56 <priv-password>]]	ARISTANDCA13256136
snmp-server view	snmp-server view <view-name> <oid-tree> {included	excluded}	ARISTANDCA13256136
spanning-tree cost	spanning-tree cost <cost>	ARISTANDCA13256136
spanning-tree link-type	spanning-tree link-type {auto	point-to-point	shared}	ARISTANDCA13256136
spanning-tree mode	spanning-tree mode {stp	rstp	mstp}	ARISTANDCA13256136
spanning-tree mst configuration	spanning-tree mst-configuration	ARISTANDCA13256136
spanning-tree port-priority	spanning-tree port-priority <priority>	ARISTANDCA13256136
spanning-tree transmit hold-count	spanning-tree transmit hold-count <value>	ARISTANDCA13257362
storm-control	storm-control { broadcast	multicast	dlf } level <rate-value>	ARISTANDCA13257362
switchport mode	switchport mode {hybrid	trunk	private-vlan	dot1q-tunnel}	ARISTANDCA13256136
switchport private-vlan mapping	switchport private-vlan mapping <primary-vlan-id>	ARISTANDCA13256136
tacacs-server host	tacacs-server host <host_ip_address>	ARISTANDCA13256136
tacacs-server key	tacacs-server key <key_string>	ARISTANDCA13256136
timers basic (RIP)	timers basic <update-seconds>	ARISTANDCA13256136
vrrp authentication	vrrp <group> authentication <key>	ARISTANDCA13256136
vrrp ip	[no] vrrp <group> ip <ip-address>	ARISTANDCA13256136
vrrp preempt	vrrp <group> preempt [delay <seconds>]	ARISTANDCA13256136
vrrp priority	vrrp <group> priority <level>	ARISTANDCA13256136
vrrp timers advertise	vrrp <group> timers advertise <interval>	ARISTANDCA13256136

APPENDIX H.EX – Extreme Networks Usage of Disputed CLI Commands

Disputed Cisco Command	Extreme/Enterasys Command Syntax	Extreme/Enterasys Manual Bates Number
arp timeout	arp timeout <TIME>	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
banner motd	banner motd <LINE>	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
boot system	boot system [primary|secondary] {on <DEVICE-NAME>}	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
channel-group	channel-group <1-5>	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
clear arp-cache	clear arp-cache {on <DEVICE-NAME>}	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
clear counters	clear counters [all|bridge|router|thread]	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
clear mac-address-table dynamic	clear mac-address-table [dynamic|multicast|static] [address <address>|bridge <1-3	EXNET-ARISTA0054421
clear spanning-tree counters	clear spanning-tree counters {[all | diagnostics | domains | ports]}	EXNET-ARISTA0054385
clock set	clock set <HH:MM:SS> <1-31> <MONTH> <1993-2035> {on <DEVICE-NAME>} clock set <hh:mm:ss d m y>	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252; ARISTANDCA13258142 (Enterasys); EXNET-ARISTA0003975 (Enterasys); EXNET-ARISTA0010769 (Enterasys); EXNET-ARISTA0011569 (Enterasys)
default-information originate (OSPF)	default-information originate {always|metric <0-16777214>|metric-type[1|2]}	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
errdisable recovery cause	errdisable recovery [cause bpduguard|interval <10-1000000>]	EXNET-ARISTA0054421
errdisable recovery interval	errdisable recovery [cause bpduguard|interval <10-1000000>]	EXNET-ARISTA0054421
interface ethernet	Switch:Legacy(config)# interface ethernet <interface-number>	EXNET-ARISTA0054385
interface vlan	interface [<INTERFACE>| vlan <1-4094>]	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
ip access-group	ip access-group [<1-99>|<100-199>|<1300-1999>|<2000-2699>|WORD in]	EXNET-ARISTA0054421
ip address	ip address [<IP/M> {secondary}|dhcp|zerconf {secondary}]	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
ip helper-address	ip helper-address <IP>	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
ip igmp snooping	ip igmp snooping {unknown-multicast-fwd}	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
ip igmp snooping querier	ip igmp snooping querier {max-response-time <1-25>|query-interval <1-18000>|ro	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
ip name-server	ip name-server {on <DEVICE-NAME>}	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
ip nat pool	ip nat pool <NAT-POOL-NAME>	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
ip route	ip route <IP/M> <IP>]	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
ip routing	ip routing {on <DEVICE-NAME>}	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
ipv6 address	ipv6 address [ipv6-link-local |<ipv6-address> <ipv6netmask>]	EXNET-ARISTA0054385
lacp port-priority	lacp port-priority <priority>	EXNET-ARISTA0054385
lldp holdtime	lldp [holdtime <10-1800>|run|timer <5-900>]	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
lldp receive	lldp [receive|transmit]	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
lldp run	lldp [holdtime <10-1800>|run|timer <5-900>]	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
lldp timer	lldp [holdtime <10-1800>|run|timer <5-900>]	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
lldp transmit	lldp [receive|transmit]	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
logging host	logging host <IP>	EXNET-ARISTA0054421
mac access-group	mac access-group <acl-name> in	EXNET-ARISTA0054421
mac-address-table aging-time	mac-address-table aging-time [0|<10-1000000>]	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
mac-address-table static	mac-address-table static <MAC> vlan <1-4094> interface [<L2-INTERFACE>|ge <1-4	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
no snmp-server	no snmp-server [community <WORD>|enable [throttle|traps]|host <IP> port <1-65	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
ntp authenticate	ntp authenticate	EXNET-ARISTA0054421
ntp authentication-key	ntp authentication-key <key> md5 [0 <secret>|2 <secret>|<secret>]	EXNET-ARISTA0054421
ntp server	ntp server <IP> {autokey {prefer version <1-4>|version <1-4>}}	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
ntp trusted-key	ntp trusted-key <1-65534>	EXNET-ARISTA0054421
port-channel load-balance	port-channel load-balance [src-dst-ip|src-dst-mac]	EXNET-ARISTA0054421
route-map	route-map <1-100>	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
show clock	show clock {on <DEVICE-NAME>} show clock	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252; ARISTANDCA13258142 (Enterasys); EXNET-ARISTA0003975 (Enterasys); EXNET-ARISTA0010769 (Enterasys); EXNET-ARISTA0011569 (Enterasys)
show environment temperature	show environment	EXNET-ARISTA0054421
show interfaces	show interfaces {<INTERFACE>|brief|counters|ge <1-4>|me1|on|port-channel {<1-2>|switchport|vlan <1-4094>} {on <DEVICE-NAME>} show interfaces accounting| <port-list>	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252; ARISTANDCA13258142 (Enterasys); EXNET-ARISTA0003975 (Enterasys); EXNET-ARISTA0010769 (Enterasys); EXNET-ARISTA0011569 (Enterasys)
show interfaces switchport	show interfaces {<INTERFACE>|brief|counters|ge <1-4>|me1|on|port-channel {<1-2>|switchport|vlan <1-4094>} {on <DEVICE-NAME>}	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
show ip arp	show ip arp {<VLAN-NAME> {on <DEVICE-NAME>}|on <DEVICE-NAME>}	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
show ip bgp	show ip bgp [<IPaddr><IPmask>] [to-file]	ARISTANDCA13258142 (Enterasys); EXNET-ARISTA0003975 (Enterasys); EXNET-ARISTA0010769 (Enterasys); EXNET-ARISTA0011569 (Enterasys)

APPENDIX H.EX - Extreme Networks Usage of Disputed CLI Commands

show ip bgp community	show ip bgp community {<community-id> <as-num>|no export|no-advertise|noexp	ARISTANDCA13258142 (Enterasys); EXNET-ARISTA0003975 (Enterasys); EXNET-ARISTA0010769 (Enterasys); EXNET-ARISTA0011569 (Enterasys)
show ip bgp neighbors	show ip bgp neighbor <IPaddr> received-routes|all-received-routes|advertisedrout	ARISTANDCA13258142 (Enterasys); EXNET-ARISTA0003975 (Enterasys); EXNET-ARISTA0010769 (Enterasys); EXNET-ARISTA0011569 (Enterasys)
show ip bgp paths	show ip bgp paths <ASpath> [to-file]	ARISTANDCA13258142 (Enterasys); EXNET-ARISTA0003975 (Enterasys); EXNET-ARISTA0010769 (Enterasys); EXNET-ARISTA0011569 (Enterasys)
show ip bgp peer-group	show ip bgp peer-group external|internal|igp|routing [to-file]	ARISTANDCA13258142 (Enterasys); EXNET-ARISTA0003975 (Enterasys); EXNET-ARISTA0010769 (Enterasys); EXNET-ARISTA0011569 (Enterasys)
show ip bgp regexp	show ip bgp regexp <exp>	ARISTANDCA13258142 (Enterasys); EXNET-ARISTA0003975 (Enterasys); EXNET-ARISTA0010769 (Enterasys); EXNET-ARISTA0011569 (Enterasys)
show ip bgp summary	show ip bgp summary [to-file]	ARISTANDCA13258142 (Enterasys); EXNET-ARISTA0003975 (Enterasys); EXNET-ARISTA0010769 (Enterasys); EXNET-ARISTA0011569 (Enterasys)
show ip helper-address	show ip helper-address	ARISTANDCA13258142 (Enterasys); EXNET-ARISTA0003975 (Enterasys); EXNET-ARISTA0010769 (Enterasys); EXNET-ARISTA0011569 (Enterasys)
show ip igmp groups	show ip igmp groups <IPaddr>	ARISTANDCA13258142 (Enterasys); EXNET-ARISTA0003975 (Enterasys); EXNET-ARISTA0010769 (Enterasys); EXNET-ARISTA0011569 (Enterasys)
show ip igmp interface	show ip igmp interface <port-list>	ARISTANDCA13258142 (Enterasys); EXNET-ARISTA0003975 (Enterasys); EXNET-ARISTA0010769 (Enterasys); EXNET-ARISTA0011569 (Enterasys)
show ip igmp snooping	show ip igmp snooping [mrouter|vlan] show ip igmp snooping mrouter vlan <1-4095> {on <DEVICE-NAME>} show ip igmp snooping vlan <1-4095> {<IP> {on <DEVICE-NAME>}|on <DEVICENAME>}	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
show ip igmp snooping mrouter	show ip igmp snooping [mrouter|vlan] show ip igmp snooping mrouter vlan <1-4095> {on <DEVICE-NAME>} show ip igmp snooping vlan <1-4095> {<IP> {on <DEVICE-NAME>}|on <DEVICENAME>}	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
show ip interface	show ip interface {<INTERFACE> {on <DEVICE-NAME>}|brief {on <DEVICE-NAME>}} show ip interface [interface-name] [brief]	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252; EXNET-ARISTA0047042 (Enterasys)
show ip interface brief	show ip interface {<INTERFACE> {on <DEVICE-NAME>}|brief {on <DEVICE-NAME>}} show ip interface [interface-name] [brief]	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252; EXNET-ARISTA0047042 (Enterasys)
show ip nat translations	show ip nat translations verbose {on <DEVICE-NAME>} ip nat translation {timeout | udp-timeout | tcp-timeout | icmp-timeout | dns-timeout | ftp-timeout} [seconds] no ip nat translation {timeout | udp-timeout | tcp-timeout | icmp-timeout | dns-timeout | ftp-timeout}	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252;EXNET-ARISTA0047042 (Enterasys)
show ip ospf	show ip ospf	EXNET-ARISTA0047042 (Enterasys)
show ip ospf interface	show ip ospf [border-router|interface|neighbor|on|route|stats] show ip ospf interface [vlan vlan-id]	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252; EXNET-ARISTA0047042 (Enterasys)
show ip ospf neighbor	show ip ospf [border-router|interface|neighbor|on|route|stats]	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
show ip route	show ip route {on <DEVICE-NAME>} show ip route [host [connected | host-address | dynamic | static]] [dest-address [prefix-mask] | prefix/prefix-length | connected | ospf | rip | static | summary]	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252;EXNET-ARISTA0047042 (Enterasys)
show ip route summary	show ip route [host [connected | host-address | dynamic | static]] dest-address [p	EXNET-ARISTA0047042 (Enterasys)
show lacp counters	show lacp counters	EXNET-ARISTA0054385; EXNET-ARISTA0049358
show lldp neighbors	show lldp neighbors {on <DEVICE-NAME>}	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
show mac-address-table	show mac-address-table {on <DEVICE-NAME>}	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
show mac-address-table aging time	show mac-address-table aging-time	ARISTANDCA13258142 (Enterasys); EXNET-ARISTA0003975 (Enterasys); EXNET-ARISTA0010769 (Enterasys); EXNET-ARISTA0011569 (Enterasys)
show monitor session	show monitor session	EXNET-ARISTA0054385
show ntp associations	show ntp [associations {detail|on}|status {on <DEVICE-NAME>}]	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
show ntp status	show ntp [associations {detail|on}|status {on <DEVICE-NAME>}]	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
show privilege	show privilege	EXNET-ARISTA0054421
show radius	show radius [configuration|eap configuration|group|nas A.B.C.D/M|proxy|rad-user|trust-point] show radius [state | retries | timeout | server [index | all | verbose]]	EXNET-ARISTA0054421;EXNET-ARISTA0047042 (Enterasys)
show route-map	show route-map [name] [pinger]	EXNET-ARISTA0047042 (Enterasys)
show snmp	show snmp show snmp access| chassis-id| community| mibs| statistics| tfpt| trap	EXNET-ARISTA0054385; ARISTANDCA13258142 (Enterasys); EXNET-ARISTA0003975 (Enterasys); EXNET-ARISTA0010769 (Enterasys); EXNET-ARISTA0011569 (Enterasys)
show snmp community	show snmp community [name]	EXNET-ARISTA0047042 (Enterasys)
show snmp trap	show snmp access| chassis-id| community| mibs| statistics| tfpt| trap	ARISTANDCA13258142 (Enterasys); EXNET-ARISTA0003975 (Enterasys); EXNET-ARISTA0010769 (Enterasys); EXNET-ARISTA0011569 (Enterasys)
show snmp user	show snmp user [snmpmanager|snmpoperator|snmptrap]	EXNET-ARISTA0054421
show spanning-tree	show spanning-tree mst [config|detail|instance]	EXNET-ARISTA0054421
show spanning-tree mst	show spanning-tree mst [config|detail|instance]	EXNET-ARISTA0054421
show spanning-tree mst configuration	show spanning-tree mst {configuration|detail|instance|on}	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
show spanning-tree mst interface	show spanning-tree mst {detail interface {<INTERFACE>|ge<1-4>|me1|port-chann	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
show tacacs	show tacacs [state]	EXNET-ARISTA0047042 (Enterasys)
show users	show users	EXNET-ARISTA0054421; EXNET-ARISTA0047042 (Enterasys)

APPENDIX H.EX - Extreme Networks Usage of Disputed CLI Commands

show version	show version {on <DEVICE-NAME>} show version	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252; EXNET-ARISTA0047042 (Enterasys)
show vlan	show vlan <vlan-name> statistics {refresh} show vlan [static] [vlan-list]	EXNET-ARISTA0054385; EXNET-ARISTA0047042 (Enterasys)
show vrrp	show vrrp [brief|details|error-stats|stats] show vrrp [interface <IFnum>]| summary| verbose	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252; ARISTANDCA13258142 (Enterasys); EXNET-ARISTA0003975 (Enterasys); EXNET-ARISTA0010769 (Enterasys); EXNET-ARISTA0011569 (Enterasys)
snmp-server chassis-id	snmp-server chassis-id <sysName>	EXNET-ARISTA0054385
snmp-server community	snmp-server community <SNMP-COMMUNITY-STRING> [ro|rw]	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
snmp-server contact	snmp-server contact <contact-person>	EXNET-ARISTA0054421
snmp-server enable traps	snmp-server enable [throttle|traps]	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
snmp-server group	snmp-server group [[hex <hex_group_name>] | <group_name>] user [[hex <hex_user_name>] | <user_name>] {sec-model [snmpv1| snmpv2c | usm]} {volatile}	EXNET-ARISTA0054385
snmp-server host	snmp-server host <IP> [v2c|v3] {<1-65535>}	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
snmp-server location	snmp-server location <location-text>	EXNET-ARISTA0054421
snmp-server user	snmp-server user [snmpmanager|snmpoperator|snmptrap]	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
snmp-server view	snmp-server view [[hex <hex_view_name>] | <view_name>] subtree <object_identifier> {/ <subtree_mask>} {type [included | excluded]} {volatile}	EXNET-ARISTA0054385
spanning-tree bpdufilter	spanning-tree bpdufilter [enable|disable]	EXNET-ARISTA0054421
spanning-tree bpduguard	spanning-tree bpduguard [enable|disable]	EXNET-ARISTA0054421
spanning-tree guard	spanning-tree guard root	EXNET-ARISTA0054421
spanning-tree link-type	spanning-tree link-type [point-to-point|shared]	EXNET-ARISTA0054421
spanning-tree mst configuration	WMController(config)#spanning-tree mst configuration	EXNET-ARISTA0054421
spanning-tree portfast bpdufilter default	spanning-tree portfast [bpdufilter|bpduguard] default	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
spanning-tree portfast bpduguard default	spanning-tree portfast [bpdufilter|bpduguard] default	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
storm-control	storm-control [arp|broadcast|multicast|unicast]	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
switchport access vlan	switchport access vlan <1-4094>	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
switchport trunk allowed vlan	switchport trunk allowed vlan [<VLAN-ID>|add <VLAN-ID>|none|remove <VLAN-ID	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
switchport trunk native vlan	switchport trunk native [tagged|vlan <1-4094>]	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252
terminal length	terminal [length|width] <0-512>; terminal length <screen-length>	ARISTANDCA13262422; EXNET-ARISTA0057033; EXNET-ARISTA0014252; ARISTANDCA13258142 (Enterasys); EXNET-ARISTA0003975 (Enterasys); EXNET-ARISTA0010769 (Enterasys); EXNET-ARISTA0011569 (Enterasys)
terminal monitor	terminal monitor	ARISTANDCA13258142 (Enterasys); EXNET-ARISTA0003975 (Enterasys); EXNET-ARISTA0010769 (Enterasys); EXNET-ARISTA0011569 (Enterasys)

APPENDIX H.F - Foundry Usage of Disputed CLI Commands

Disputed Cisco Command	Foundry Command Syntax	Foundry Manual Bates Number
aaa accounting	[no] aaa accounting exec default start-stop radius | tacacs+ | none	ARISTANDCA_BROCADE00313978
aaa authentication login	[no] aaa authentication [snmp-server | web-server | enable | login | dot1x default <method1> [<method2>] [<method3>] [<method4>] [<method5>] [<method6>] [<method7>]	ARISTANDCA_BROCADE00001802
address-family	address-family ipv4 unicast | ipv4 multicast | ipv6 unicast | vpnv4 unicast	ARISTANDCA_BROCADE00012094
aggregate-address	aggregate-address <ip-addr> <ip-mask> [as-set] [nlri multicast | unicast | multicast unicast] [summary-only] [suppress-map <map-name>] [advertise-map <map-name>] [attribute-map <map-name>]	ARISTANDCA_BROCADE00012094
area nssa	area <num> | <ip-addr> nssa <cost> | default-information-originate	ARISTANDCA_BROCADE00012094
area nssa (OSPFv3)	area <num> | <ip-addr> nssa <cost> | default-information-originate	ARISTANDCA_BROCADE00012094
area nssa default-information-originate	**area <num> | <ip-addr> nssa default-information-originate**	ARISTANDCA_BROCADE00012094
area nssa default-information-originate (OSPFv3)	**area <num> | <ip-addr> nssa default-information-originate**	ARISTANDCA_BROCADE00012094
area range	[no] area <num> | <ip-addr> range <ip-addr> <ip-mask> [advertise | not-advertise]	ARISTANDCA_BROCADE00012094
area range (OSPFv3)	[no] area <num> | <ip-addr> range <ip-addr> <ip-mask> [advertise | not-advertise]	ARISTANDCA_BROCADE00012094
area stub	area <num> | <ip-addr> [stub <cost> [no-summary]]	ARISTANDCA_BROCADE00012094
area stub (OSPFv3)	area <num> | <ip-addr> [stub <cost> [no-summary]]	ARISTANDCA_BROCADE00012094
banner motd	[no] banner <delimiting-character> | [motd <delimiting-character>]	ARISTANDCA_BROCADE00012094
bgp redistribute internal	[no] bgp-redistribute-internal	ARISTANDCA_BROCADE00012094
clear ip msdp sa-cache	clear ip msdp sa-cache [<source-addr> | <group-addr>]	ARISTANDCA_BROCADE00012094
clock set	no] clock set <hh:mm:ss> <mm-dd-yy> | <mm-dd-yyyy>	ARISTANDCA_BROCADE00012094
clock timezone	[no] clock timezone gmt gmt | us <timezone>	ARISTANDCA_BROCADE00012094
default-information originate (OSPF)	[no] default-information-originate [always] [metric <value>] [metric-type <type>]	ARISTANDCA_BROCADE00012094
default-information originate (OSPFv3)	[no] default-information-originate [always] [metric <value>] [metric-type <type>]	ARISTANDCA_BROCADE00012094
default-metric (OSPF)	default-metric <value>	ARISTANDCA_BROCADE00012094
default-metric (OSPFv3)	default-metric <value>	ARISTANDCA_BROCADE00012094
domain-id	domain-id <domain_identifier>	ARISTANDCA_BROCADE00012094
dot1x port-control	[no] dot1x port-control [force-authorized | force-unauthorized | auto]	ARISTANDCA_BROCADE00012094
errdisable recovery cause	[no] errdisable recovery [cause < bpduguard l all >]	ARISTANDCA_BROCADE00012094
errdisable recovery interval	[no] errdisable recovery interval <seconds>	ARISTANDCA_BROCADE00012094
interface ethernet	[no] interface ethernet <portnum> [to <portnum>]	ARISTANDCA_BROCADE00012094
interface loopback	[no] interface loopback <num>	ARISTANDCA_BROCADE00012094
ip access-group	[no] ip access-group <num> in | out	ARISTANDCA_BROCADE00012094
ip access-list	[no] ip access-list extended | standard <string> | <num>[delete <line-number> | insert <line-number> | replace <line-number> [remark [<comment-text>]]] <options>	ARISTANDCA_BROCADE00012094
ip access-list standard	[no] ip access-list extended | standard <string> | <num>[delete <line-number> | insert <line-number> | replace <line-number> [remark [<comment-text>]]] <options>	ARISTANDCA_BROCADE00012094
ip address	[no] ip address <ip-addr>	ARISTANDCA_BROCADE00012094
ip community-list expanded	[no] ip community-list extended <string> [seq <seq-value>] deny | permit <community-num> | <regular-expression>	ARISTANDCA_BROCADE00012094
ip community-list standard	[no] ip community-list standard <string> [seq <seq-value>] deny | permit <community-num>	ARISTANDCA_BROCADE00012094
ip domain lookup	[no] ip domain-loopkup <ip-address> | <host-name>	ARISTANDCA_BROCADE00012094
ip helper-address	ip helper-address <value> <ip-addr>	ARISTANDCA_BROCADE00012094
ip icmp redirect	[no] ip icmp redirects	ARISTANDCA_BROCADE00012094
ip igmp query-interval	[no] ip igmp query-interval <value>	ARISTANDCA_BROCADE00012094
ip igmp static-group	[no] ip igmp static-group <ip-addr> [ethernet <portnum>]	ARISTANDCA_BROCADE00012094
ip igmp version	[no] ip igmp version <version-number>	ARISTANDCA_BROCADE00012094
ip load-sharing	ip load-sharing [<num>]	ARISTANDCA_BROCADE00012094
ip multicast boundary	[no] ip multicast boundary <access-list-num>	ARISTANDCA_BROCADE00012094
ip multicast-routing	[no] ip multicast-routing	ARISTANDCA_BROCADE00012094
ip nat pool	[no] ip nat pool <pool-name> <start-ip> <end-ip> netmask <ip-mask> | prefix-length <length> [type match-host | rotary]	ARISTANDCA_BROCADE00012094
ip nat translation tcp-timeout	[no] ip nat translation timeout | udp-timeout | tcp-timeout | finrst-timeout | dns-timeout <secs>	ARISTANDCA_BROCADE00012094
ip nat translation udp-timeout	[no] ip nat translation timeout | udp-timeout | tcp-timeout | finrst-timeout | dns-timeout <secs>	ARISTANDCA_BROCADE00012094
ip ospf authentication-key	[no] ip ospf authentication-key [0 | 1] <string>	ARISTANDCA_BROCADE00012094
ip ospf cost	ip ospf cost <num>	ARISTANDCA_BROCADE00012094
ip ospf dead-interval	ip ospf dead-interval <value>	ARISTANDCA_BROCADE00012094
ip ospf hello-interval	ip ospf hello-interval <value>	ARISTANDCA_BROCADE00012094
ip ospf network	[no] ip ospf network [point-to-multipoint]	ARISTANDCA_BROCADE00012094
ip ospf priority	ip ospf priority <value>	ARISTANDCA_BROCADE00012094
ip ospf retransmit-interval	ip ospf retransmit-interval <value>	ARISTANDCA_BROCADE00012094
ip ospf transmit-delay	ip ospf transmit-delay <value>	ARISTANDCA_BROCADE00012094
ip pim dr-priority	[no] ip pim dr-priority <num>	ARISTANDCA_BROCADE00012094
ip prefix-list	[no] ip prefix-list <name> [seq <seq-value>] [description <string>] deny | permit <network-addr>/<mask- bits> [ge <ge-value>] [le <le-value>]	ARISTANDCA_BROCADE00012094
ip proxy-arp	[no] ip proxy-arp	ARISTANDCA_BROCADE00012094
ip radius source-interface	[no] ip radius source-interface atm <portnum>.<subif> | ethernet <portnum> | loopback <num> | ve <num>	ARISTANDCA_BROCADE00012094

APPENDIX H.F - Foundry Usage of Disputed CLI Commands

ip route	[no] ip route <ip-addr> <ip-mask> null0 [<metric>] [distance <num>] or	ARISTANDCA_BROCADE00012094
ip tacacs source-interface	[no] ip tacacs source-interface atm <portnum>.<subif>	ethernet <portnum>	loopback <num>	ve <num>	ARISTANDCA_BROCADE00012094
ipv6 access-list	[no] ipv6 access-list <acl name>	ARISTANDCA_BROCADE00012094
ipv6 address	[no] ipv6 address <ipv6-prefix>/<prefix-length> [eui-64]	ARISTANDCA_BROCADE00012094
ipv6 enable	[no] ipv6 enable	ARISTANDCA_BROCADE00012094
ipv6 nd managed-config-flag	[no] ipv6 nd managed-config-flag	ARISTANDCA_BROCADE00012094
ipv6 nd ns-interval	[no] ipv6 nd ns-interval <number>	ARISTANDCA_BROCADE00012094
ipv6 nd other-config-flag	[no] ipv6 nd other-config-flag	ARISTANDCA_BROCADE00012094
ipv6 nd ra interval	[no] ipv6 nd ra-interval <number>	ARISTANDCA_BROCADE00012094
ipv6 nd ra lifetime	[no] ipv6 nd ra-lifetime <number>	ARISTANDCA_BROCADE00012094
ipv6 nd reachable-time	[no] ipv6 nd reachable-time <seconds>	ARISTANDCA_BROCADE00012094
ipv6 ospf area	[no] ipv6 ospf area <number>	<ipv4-address>	ARISTANDCA_BROCADE00012094
ipv6 ospf cost	ipv6 ospf cost <number>	ARISTANDCA_BROCADE00012094
ipv6 ospf dead-interval	ipv6 ospf dead-interval <seconds>	ARISTANDCA_BROCADE00012094
ipv6 ospf hello-interval	ipv6 ospf hello-interval <seconds>	ARISTANDCA_BROCADE00012094
ipv6 ospf network	ipv6 ospf network [point-to-multipoint]	ARISTANDCA_BROCADE00012094
ipv6 ospf priority	ipv6 ospf priority <number>	ARISTANDCA_BROCADE00012094
ipv6 ospf retransmit- interval	ipv6 ospf retransmit-interval <seconds>	ARISTANDCA_BROCADE00012094
ipv6 ospf transmit-delay	ipv6 ospf transmit-delay <seconds>	ARISTANDCA_BROCADE00012094
ipv6 prefix-list	[no] ipv6 prefix-list <name> [seq <sequence-number>] deny <ipv6-prefix>/<prefix-length>	permit <ipv6- prefix>/<prefix-length>	description <string> [ge <ge-value>] [le <le-value>]	ARISTANDCA_BROCADE00012094
ipv6 route	[no] ipv6 route <dest-ipv6-prefix>/<prefix-length> <next-hop-ipv6-address> [<metric>] [distance <number>]	ARISTANDCA_BROCADE00012094
ipv6 router ospf	[no] ipv6 router ospf	ARISTANDCA_BROCADE00012094
ipv6 unicast-routing	[no] ipv6 unicast-routing	ARISTANDCA_BROCADE00012094
isis hello-interval	[no] isis hello-interval <num> [level-1-only	level-2-only]	ARISTANDCA_BROCADE00012094
isis hello-multiplier	[no] isis hello-multiplier <num> [level-1-only	level-2-only]	ARISTANDCA_BROCADE00012094
isis metric	[no] isis metric <num>	ARISTANDCA_BROCADE00012094
isis passive	[no] isis passive	ARISTANDCA_BROCADE00012094
isis priority	[no] isis priority <num> [level-1-only	level-2-only]	ARISTANDCA_BROCADE00012094
is-type	[no] is-type level-1-only	level-1-2	level-2-only	ARISTANDCA_BROCADE00012094
lacp system-priority	lacp system-priority	ARISTANDCA_BROCADE00012094
lldp run	[no] lldp run	ARISTANDCA_BROCADE00055686
load-interval	load-interval <interval>	ARISTANDCA_BROCADE00012094
log-adjacency-changes	[no] log-adjacency-changes	ARISTANDCA_BROCADE00012094
log-adjacency-changes (IS-IS)	[no] log-adjacency-changes	ARISTANDCA_BROCADE00012094
logging host	[no] logging host <ip-addr>	<server-name>	ARISTANDCA_BROCADE00012094
mac access-group	[no] mac access-group <num> in	ARISTANDCA_BROCADE00012094
maximum-paths	[no] maximum-paths <num>	ARISTANDCA_BROCADE00012094
no snmp-server	[no] snmp-server enable traps <trap-type>	ARISTANDCA_BROCADE00012094
route-map	[no] route-map <map-name> permit	deny <num>	ARISTANDCA_BROCADE00012094
router bgp	[no] router bgp	ARISTANDCA_BROCADE00012094
router isis	[no] router isis	ARISTANDCA_BROCADE00012094
router ospf	[no] router ospf	ARISTANDCA_BROCADE00012094
router rip	[no] router rip	ARISTANDCA_BROCADE00012094
set-overload-bit	[no] set-overload-bit [on-startup <secs>]	ARISTANDCA_BROCADE00012094
show arp	show arp [ethernet <portnum>	mac-address <xxxx.xxxx.xxxx> [<mask>]	<ip-addr> [<ip-mask>]] [<num>]	ARISTANDCA_BROCADE00012094
show clock	show clock [detail]	ARISTANDCA_BROCADE00012094
show dot1x	show dot1x	ARISTANDCA_BROCADE00012094
show dot1x statistics	show dot1x statistics <portnum>	ARISTANDCA_BROCADE00012094
show interfaces	show interfaces [atm	ethernet	pos <portnum>]	[loopback <num>]	[slot <slot-num>]	[ve <num>]	ARISTANDCA_BROCADE00012094
show ip access-lists	show ip access-list all	<acl-number>	begin <keyword>	exclude <keyword>	include <keyword>	ARISTANDCA_BROCADE00012094
show ip bgp	show ip bgp [route] <ip-addr>/<prefix> [longer-prefixes]	<ip-addr>	ARISTANDCA_BROCADE00012094
show ip bgp neighbors	show ip bgp neighbors [<ip-addr> [advertised-routes [detail [<ip-addr>[/<mask-bits>]]]]	[attribute-entries [detail]]	[flap-statistics]	[last-packet-with-error]	[received prefix-filter]	[received-routes]	[routes [best]	[detail [best]	[not-installed-best]	[unreachable]]	[rib-out-routes [<ip-addr>/<mask-bits>	<ip-addr> <net-mask>	detail]]	[routes-summary]]	ARISTANDCA_BROCADE00012094
show ip bgp peer-group	show ip bgp peer-group [<peer-group-name>]	ARISTANDCA_BROCADE00012094
show ip bgp summary	show ip bgp summary	ARISTANDCA_BROCADE00012094
show ip extcommunity-list	show ip extcommunity-list	ARISTANDCA_BROCADE00012094
show ip igmp interface	show ip igmp interface [ve	ethernet <number> <group-address>]	ARISTANDCA_BROCADE00012094
show ip interface	show ip interface [ethernet <portnum>]	[loopback <num>]	[pos <portnum>]	[ve <num>]	ARISTANDCA_BROCADE00012094
show ip mroute	show ip mroute [<ip-addr> <ip-mask>	bgp	static]	ARISTANDCA_BROCADE00012094
show ip msdp peer	show ip msdp peer	ARISTANDCA_BROCADE00012094
show ip msdp sa-cache	show ip msdp sa-cache	ARISTANDCA_BROCADE00012094
show ip msdp summary	show ip msdp summary	ARISTANDCA_BROCADE00012094
show ip nat translations	show ip nat translation	ARISTANDCA_BROCADE00012094
show ip ospf border-routers	show ip ospf border-routers [<ip-addr>]	ARISTANDCA_BROCADE00012094
show ip ospf interface	show ip ospf interface [<ip-addr>]	ARISTANDCA_BROCADE00012094
show ip ospf neighbor	show ip ospf neighbor [router-id <ip-addr>]	[<num>]	ARISTANDCA_BROCADE00012094

APPENDIX H.F - Foundry Usage of Disputed CLI Commands

show ip pim interface	show ip pim interface [ethernet <portnum> | ve <num>]	ARISTANDCA_BROCADE00012094
show ip pim rp-hash	show ip pim rp-hash <group-addr>	ARISTANDCA_BROCADE00012094
show ip route	show ip route [<ip-addr> [<ip-mask>] [longer] [none-bgp]] | <num> | bgp | direct | ospf | rip | static | tunnel | summary	ARISTANDCA_BROCADE00012094
show ip route summary	show ip route [<ip-addr> [<ip-mask>] [longer] [none-bgp]] | <num> | bgp | direct | ospf | rip | static | tunnel | summary	ARISTANDCA_BROCADE00012094
show ipv6 access-list	show ipv6 access-list [<name>]	ARISTANDCA_BROCADE00012094
show ipv6 bgp	show ipv6 bgp <ipv6-prefix>/<prefix-length> [longer-prefixes]	ARISTANDCA_BROCADE00012094
show ipv6 bgp summary	show ipv6 bgp summary	ARISTANDCA_BROCADE00012094
show ipv6 interface	show ipv6 interface ethernet [<port> | loopback <number> | tunnel <number> | ve <number>]	ARISTANDCA_BROCADE00012094
show ipv6 ospf interface	show ipv6 ospf database [advrtr <ipv4-address> | as-external | extensive | inter-prefix | inter-router | intra- prefix | link | link-id <number> | network | router [scope <area-id> | as | link]]	ARISTANDCA_BROCADE00012094
show ipv6 ospf neighbor	show ipv6 ospf neighbor [router-id <ipv4-address>]	ARISTANDCA_BROCADE00012094
show ipv6 route	show ipv6 route [<ipv6-address> | <ipv6-prefix>/<prefix-length> | bgp | connect | rip | isis | static | summary]	ARISTANDCA_BROCADE00012094
show ipv6 route summary	show ipv6 route [<ipv6-address> | <ipv6-prefix>/<prefix-length> | bgp | connect | ospf | rip | isis | static | summary]	ARISTANDCA_BROCADE00012094
show isis database	show isis database [<lsp-id> | detail | l1 | l2 | level1 | level2]	ARISTANDCA_BROCADE00012094
show isis interface	show isis interface	ARISTANDCA_BROCADE00012094
show lldp	show lldp	ARISTANDCA_BROCADE00055686
show lldp neighbors	show lldp neighbors	ARISTANDCA_BROCADE00055686
show module	show module	ARISTANDCA_BROCADE00012094
show port-security	show port security <module> | <portnum>	ARISTANDCA_BROCADE00012094
show reload	show reload	ARISTANDCA_BROCADE00012094
show route-map	show route-map [<map-name>]	ARISTANDCA_BROCADE00012094
show snmp engineID	show snmp engineid	ARISTANDCA_BROCADE00012094
show snmp group	show snmp group	ARISTANDCA_BROCADE00012094
show snmp user	show snmp user	ARISTANDCA_BROCADE00012094
show users	show users	ARISTANDCA_BROCADE00012094
show version	show version	ARISTANDCA_BROCADE00012094
snmp-server community	[no] snmp-server community [0 | 1] <string> ro | rw [view <viewname>] [<standard-acl-name> | <standard-acl-id>]	ARISTANDCA_BROCADE00012094
snmp-server contact	[no] snmp-server contact <text>	ARISTANDCA_BROCADE00012094
snmp-server enable traps	[no] snmp-server enable traps <trap-type>	ARISTANDCA_BROCADE00012094
snmp-server engineID local	[no] snmp-server engineid local <hex-string>	ARISTANDCA_BROCADE00012094
snmp-server group	[no] snmp-server group <groupname> v1 | v2 | v3	ARISTANDCA_BROCADE00012094
snmp-server host	[no] snmp-server host <ip-addr> [0 | 1] <string> [port <value>] [no] snmp-server host <ip-address> version [v1 | v2c <community-string> | v3 auth | noauth | priv <security-name>] [port <trap-UDP-port-number>]	ARISTANDCA_BROCADE00012094
snmp-server location	[no] snmp-server location <text>	ARISTANDCA_BROCADE00012094
snmp-server user	[no] snmp-server user <name> <groupname> v3 [[access <standard-acl-id>] [encrypted] [auth md5 <md5-password> | sha <sha-password>] [priv [encrypted] des <des-password>]]]	ARISTANDCA_BROCADE00012094
snmp-server view	[no] snmp-server view <name> <mib-tree> included | excluded	ARISTANDCA_BROCADE00012094
spf-interval	[no] spf-interval <secs>	ARISTANDCA_BROCADE00012094
tacacs-server host	[no] tacacs-server host <ip-addr> | <server-name> [auth-port <number>]	ARISTANDCA_BROCADE00012094
tacacs-server key	[no] tacacs-server [key 0 | 1 <string>] [timeout <number>] [retransmit <number>] [dead-time <number>]	ARISTANDCA_BROCADE00012094
tacacs-server timeout	[no] tacacs-server [key 0 | 1 <string>] [timeout <number>] [retransmit <number>] [dead-time <number>]	ARISTANDCA_BROCADE00012094
terminal length	[no] terminal length <number-of-lines>	ARISTANDCA_BROCADE00012094
terminal monitor	terminal monitor	ARISTANDCA_BROCADE00012094
timers basic (RIP)	[no] timers-basic <update-timer> <aging-timeout-interval> <garbage-collection-timer>	ARISTANDCA_BROCADE00012094

APPENDIX H.HP – HPE Usage of Disputed CLI Commands

Disputed Cisco Command	HP Command Syntax	HP Manual Bates Number /
aaa accounting	[no] aaa accounting exec default start-stop radius | tacacs+ | none	ARISTANDCA00287991
aaa authentication login	aaa authentication login privilege-mode [no] aaa authentication snmp-server | web-server | enable | login | dot1x default <method1> [<method2>] [<method3>] [<method4>] [<method5>] [<method6>] [<method7>]	ARISTANDCA00287991
aggregate-address	aggregate-address <ip-addr> <ip-mask> [as-set] [nlri multicast | unicast | multicast unicast] [summary-only] [suppress-map <map-name>] [advertise-map <map-name>] [attribute-map <map-name>]	ARISTANDCA00287991
area nssa	area <num> | <ip-addr> nssa <cost> | default-information-originate	ARISTANDCA00287991
area nssa (OSPFv3)	area <num> | <ip-addr> nssa <cost> | default-information-originate	ARISTANDCA00287991
area nssa no-summary	area ospf3-area-id nssa[metric-cost 0 - 16777215][metric-type [type1 | type2]] [no-summary]	HPE45955
area range	[no] area <num> | <ip-addr> range <ip-addr> <ip-mask> [advertise | not-advertise]	ARISTANDCA00287991
area range (OSPFv3)	[no] area <num> | <ip-addr> range <ip-addr> <ip-mask> [advertise | not-advertise]	ARISTANDCA00287991
area stub	area <num> | <ip-addr> [stub <cost> [no-summary]]	ARISTANDCA00287991
area stub (OSPFv3)	area <num> | <ip-addr> [stub <cost> [no-summary]]	ARISTANDCA00287991
banner motd	[no] banner <delimiting-character> | [motd <delimiting-character>]	ARISTANDCA00287991
bgp client-to-client reflection	client-to-client-reflection	ARISTANDCA00287991
bgp cluster-id	[no] cluster-id <num> | <ip-addr>	ARISTANDCA00287991
bgp redistribute internal	[no] bgp-redistribute-internal	ARISTANDCA00287991
boot system	boot system bootp boot system flash primary boot system flash secondary boot system tftp	ARISTANDCA00287991
clear ip msdp sa-cache	clear ip msdp sa-cache [<source-addr> | <group-addr>]	ARISTANDCA00287991
clock set	[no] clock set <hh:mm:ss> <mm-dd-yy> | <mm-dd-yyyy>	ARISTANDCA00287991
clock timezone	clock timezone gmt gmt | us <timezone>	ARISTANDCA00287991
default-information originate (OSPF)	[no] default-information-originate [always] [metric <value>] [metric-type <type>]	ARISTANDCA00287991
default-information originate (OSPFv3)	[no] default-information-originate [always] [metric <value>] [metric-type <type>]	ARISTANDCA00287991
default-metric (OSPF)	[no] default-metric <number>	ARISTANDCA00287991
default-metric (OSPFv3)	default-metric <value>	ARISTANDCA00287991
interface ethernet	interface ethernet <portnum>	ARISTANDCA00287991
interface loopback	interface loopback <num>	ARISTANDCA00287991
ip access-group	[no] ip access-group <num> in | out	ARISTANDCA00287991
ip access-list	[no] ip access-list extended | standard <string> | <num>[delete <line-number> | insert <line-number> | replace <line-number> [remark [<comment-text>]]] <options>	ARISTANDCA00287991
ip access-list standard	[no] ip access-list extended | standard <string> | <num>[delete <line-number> | insert <line-number> | replace <line-number> [remark [<comment-text>]]] <options>	ARISTANDCA00287991
ip address	[no] ip address <ip-addr> <ip-mask> [ospf-ignore | ospf-passive | secondary]	ARISTANDCA00287991
ip community-list standard	ip community-list standard <string> [seq <seq-value>] deny | permit <community-num>	ARISTANDCA00287991
ip helper-address	ip helper-address <value> <ip-addr>	ARISTANDCA00287991
ip icmp redirect	[no] ip icmp redirects	ARISTANDCA00287991
ip igmp query-interval	ip igmp query-interval <value>	ARISTANDCA00287991
ip load-sharing	ip load-sharing [<num>]	ARISTANDCA00287991
ip local-proxy-arp	[no] ip local-proxy-arp	HPE04995
ip multicast-routing	[no] ip multicast-routing	ARISTANDCA00287991
ip nat pool	[no] ip nat pool <pool-name> <start-ip> <end-ip> netmask <ip-mask> | prefix-length <length> [type match-host | rotary] [no] ip nat inside source list <acl-name-or-num> pool <pool-name> [overload]	ARISTANDCA00287991
ip nat translation tcp-timeout	[no] ip nat translation timeout | udp-timeout | tcp-timeout | finrst-timeout | dns-timeout <secs>	ARISTANDCA00287991
ip nat translation udp-timeout	[no] ip nat translation timeout | udp-timeout | tcp-timeout | finrst-timeout | dns-timeout <secs>	ARISTANDCA00287991
ip ospf authentication-key	[no] ip ospf authentication-key [0 | 1] <string>	ARISTANDCA00287991
ip ospf cost	ip ospf cost <num>	ARISTANDCA00287991
ip ospf dead-interval	ip ospf dead-interval <value>	ARISTANDCA00287991
ip ospf hello-interval	ip ospf hello-interval <value>	ARISTANDCA00287991
ip ospf priority	ip ospf priority <value>	ARISTANDCA00287991
ip ospf retransmit-interval	ip ospf retransmit-interval <value>	ARISTANDCA00287991
ip ospf transmit-delay	ip ospf transmit-delay <value>	ARISTANDCA00287991
ip pim dr-priority		ARISTANDCA00287991
ip prefix-list	ip prefix-list <name> [seq <seq-value>] [description <string>] deny | permit <network-addr>/<mask-bits> [ge <ge-value>] [le <le-value>]	ARISTANDCA00287991
ip proxy-arp	[no] ip proxy-arp	ARISTANDCA00287991
ip radius source-interface	ip radius source-interface ethernet <portnum> | loopback <num> | ve <num>	ARISTANDCA00287991
ip route	ip route <dest-ip-addr> <dest-mask> <next-hop-ip-addr> |ethernet <portnum> | ve <num>[<metric>] [distance <num>]	ARISTANDCA00287991
ip routing	(config)#ip routing	HPE93160
ip tacacs source-interface	ip tacacs source-interface ethernet <portnum> | loopback <num> | ve <num>	ARISTANDCA00287991
ipv6 access-list	[no] ipv6 access-list <acl name>	ARISTANDCA00287991
ipv6 address	ipv6 address <ipv6-prefix>/<prefix-length> [eui-64] | <ipv6-address> link-local	ARISTANDCA00287991
ipv6 prefix-list	[no] ipv6 prefix-list <name> [seq <sequence-number>] deny <ipv6-prefix>/<prefix-length> | permit <ipv6- prefix>/<prefix-length> | description <string> [ge <ge-value>] [le <le-value>]	ARISTANDCA00287991
ipv6 route	ipv6 route <dest-ipv6-prefix>/<prefix-length> <next-hop-ipv6-address> [<metric>] [distance <number>]	ARISTANDCA00287991
lldp run	[no] lldp run	HPE46789

APPENDIX H.HP – HPE Usage of Disputed CLI Commands

maximum-paths	[no] maximum-paths <num>	ARISTANDCA00287991
neighbor ebgp-multihop	[no] neighbor <ip-addr> | <peer-group-name> [advertisement-interval <num>] [capability orf prefixlist [send | receive]] [default-originate [route-map <map name>]] [description <string>] [distribute-list in | out <num,num,...> | <acl-num> in | out] [ebgp-multihop [<num>]] [filter-list in | out <num,num,...> | <acl-num> in | out | weight] [maximum-prefix <num> [<threshold>] [teardown]] [next-hop-self] [nlri multicast | unicast | multicast unicast] [password [0 | 1] <string>] [prefix-list <string> in | out] [remote-as <as-number>] [remove-private-as] [route-map in | out <map-name>] [route-reflector-client] [send-community] [soft-reconfiguration inbound] [shutdown][timers keep-alive <num> hold-time <num>] [unsuppress-map <map-name>] [update-source <ip-addr> | ethernet <portnum> | loopback <num> | ve <num>] [weight <num>]	ARISTANDCA00287991
neighbor next-hop-self	[no] neighbor <ip-addr> | <peer-group-name> [advertisement-interval <num>] [capability orf prefixlist [send | receive]] [default-originate [route-map <map name>]] [description <string>] [distribute-list in | out <num,num,...> | <acl-num> in | out] [ebgp-multihop [<num>]] [filter-list in | out <num,num,...> | <acl-num> in | out | weight] [maximum-prefix <num> [<threshold>] [teardown]] [next-hop-self] [nlri multicast | unicast | multicast unicast] [password [0 | 1] <string>] [prefix-list <string> in | out] [remote-as <as-number>] [remove-private-as] [route-map in | out <map-name>] [route-reflector-client] [send-community] [soft-reconfiguration inbound] [shutdown][timers keep-alive <num> hold-time <num>] [unsuppress-map <map-name>] [update-source <ip-addr> | ethernet <portnum> | loopback <num> | ve <num>] [weight <num>]	ARISTANDCA00287991
neighbor remote-as	[no] neighbor <ip-addr> | <peer-group-name> [advertisement-interval <num>] [capability orf prefixlist [send | receive]] [default-originate [route-map <map name>]] [description <string>] [distribute-list in | out <num,num,...> | <acl-num> in | out] [ebgp-multihop [<num>]] [filter-list in | out <num,num,...> | <acl-num> in | out | weight] [maximum-prefix <num> [<threshold>] [teardown]] [next-hop-self] [nlri multicast | unicast | multicast unicast] [password [0 | 1] <string>] [prefix-list <string> in | out] [remote-as <as-number>] [remove-private-as] [route-map in | out <map-name>] [route-reflector-client] [send-community] [soft-reconfiguration inbound] [shutdown][timers keep-alive <num> hold-time <num>] [unsuppress-map <map-name>] [update-source <ip-addr> | ethernet <portnum> | loopback <num> | ve <num>] [weight <num>]	ARISTANDCA00287991
neighbor route-reflector-client	[no] neighbor <ip-addr> | <peer-group-name> [advertisement-interval <num>] [capability orf prefixlist [send | receive]] [default-originate [route-map <map name>]] [description <string>] [distribute-list in | out <num,num,...> | <acl-num> in | out] [ebgp-multihop [<num>]] [filter-list in | out <num,num,...> | <acl-num> in | out | weight] [maximum-prefix <num> [<threshold>] [teardown]] [next-hop-self] [nlri multicast | unicast | multicast unicast] [password [0 | 1] <string>] [prefix-list <string> in | out] [remote-as <as-number>] [remove-private-as] [route-map in | out <map-name>] [route-reflector-client] [send-community] [soft-reconfiguration inbound] [shutdown][timers keep-alive <num> hold-time <num>] [unsuppress-map <map-name>] [update-source <ip-addr> | ethernet <portnum> | loopback <num> | ve <num>] [weight <num>]	ARISTANDCA00287991
neighbor shutdown	[no] neighbor <ip-addr> | <peer-group-name> [advertisement-interval <num>] [capability orf prefixlist [send | receive]] [default-originate [route-map <map name>]] [description <string>] [distribute-list in | out <num,num,...> | <acl-num> in | out] [ebgp-multihop [<num>]] [filter-list in | out <num,num,...> | <acl-num> in | out | weight] [maximum-prefix <num> [<threshold>] [teardown]] [next-hop-self] [nlri multicast | unicast | multicast unicast] [password [0 | 1] <string>] [prefix-list <string> in | out] [remote-as <as-number>] [remove-private-as] [route-map in | out <map-name>] [route-reflector-client] [send-community] [soft-reconfiguration inbound] [shutdown][timers keep-alive <num> hold-time <num>] [unsuppress-map <map-name>] [update-source <ip-addr> | ethernet <portnum> | loopback <num> | ve <num>] [weight <num>]	ARISTANDCA00287991
neighbor timers	[no] neighbor <ip-addr> | <peer-group-name> [advertisement-interval <num>] [capability orf prefixlist [send | receive]] [default-originate [route-map <map name>]] [description <string>] [distribute-list in | out <num,num,...> | <acl-num> in | out] [ebgp-multihop [<num>]] [filter-list in | out <num,num,...> | <acl-num> in | out | weight] [maximum-prefix <num> [<threshold>] [teardown]] [next-hop-self] [nlri multicast | unicast | multicast unicast] [password [0 | 1] <string>] [prefix-list <string> in | out] [remote-as <as-number>] [remove-private-as] [route-map in | out <map-name>] [route-reflector-client] [send-community] [soft-reconfiguration inbound] [shutdown][timers keep-alive <num> hold-time <num>] [unsuppress-map <map-name>] [update-source <ip-addr> | ethernet <portnum> | loopback <num> | ve <num>] [weight <num>]	ARISTANDCA00287991
neighbor weight	[no] neighbor <ip-addr> | <peer-group-name> [advertisement-interval <num>] [capability orf prefixlist [send | receive]] [default-originate [route-map <map name>]] [description <string>] [distribute-list in | out <num,num,...> | <acl-num> in | out] [ebgp-multihop [<num>]] [filter-list in | out <num,num,...> | <acl-num> in | out | weight] [maximum-prefix <num> [<threshold>] [teardown]] [next-hop-self] [nlri multicast | unicast | multicast unicast] [password [0 | 1] <string>] [prefix-list <string> in | out] [remote-as <as-number>] [remove-private-as] [route-map in | out <map-name>] [route-reflector-client] [send-community] [soft-reconfiguration inbound] [shutdown][timers keep-alive <num> hold-time <num>] [unsuppress-map <map-name>] [update-source <ip-addr> | ethernet <portnum> | loopback <num> | ve <num>] [weight <num>]	ARISTANDCA00287991
route-map	route-map <map-name> permit | deny <num>	ARISTANDCA00287991
router bgp	[no] router bgp	ARISTANDCA00287991
router ospf	router ospf	ARISTANDCA00287991
router rip	router rip	ARISTANDCA00287991
show arp	show arp [ethernet <portnum> | mac-address <xxxx.xxxx.xxxx> [<mask>] | <ip-addr> [<ip-mask>]] [<num>]	ARISTANDCA00287991
show clock	show clock [detail]	ARISTANDCA00287991
show interfaces	show interfaces [ethernet | [loopback <num>] | [slot <slot-num>] | [ve <num>]	ARISTANDCA00287991

APPENDIX H.HP - HPE Usage of Disputed CLI Commands

show ip access-lists	show ip access-list all | <acl-number> | begin <keyword> | exclude <keyword> | include <keyword>	ARISTANDCA00287991
show ip bgp	show ip bgp [route] <ip-addr>/<prefix> [longer-prefixes] | <ip-addr>	ARISTANDCA00287991
show ip bgp neighbors	show ip bgp neighbors [<ip-addr> [advertised-routes [detail [<ip-addr>[/<mask-bits>]]]] | [attribute-entries [detail]] | [flap-statistics] | [last-packet-with-error] | [received prefix-filter] | [received-routes] | [routes [best] | [detail [best] | [not-installed-best] | [unreachable]] | [rib-out-routes [<ip-addr>/<mask-bits> | <ip-addr> <net-mask> | detail]] | [routes-summary]]	ARISTANDCA00287991
show ip bgp peer-group	show ip bgp peer-group [<peer-group-name>]	ARISTANDCA00287991
show ip bgp summary	show ip bgp summary	ARISTANDCA00287991
show ip community-list	show ip community-list	ARISTANDCA13270722
show ip helper-address	ip helper-address <value> <ip-addr>	ARISTANDCA00287991
show ip igmp groups	show ip igmp group [<group-address> [detail] [tracking]]	ARISTANDCA00287991
show ip interface	show ip interface [ethernet <portnum>] | [loopback <num>] | [ve <num>]	ARISTANDCA00287991
show ip mroute	show ip mroute	ARISTANDCA00287991
show ip msdp peer	show ip msdp peer	ARISTANDCA00287991
show ip msdp sa-cache	show ip msdp sa-cache	ARISTANDCA00287991
show ip msdp summary	show ip msdp summary	ARISTANDCA00287991
show ip nat translations	show ip nat translation	ARISTANDCA00287991
show ip ospf	show ip ospf general show ip ospf area [[<area-id> | <num>] database link-state advertise | link-state-id | network | nssa | router | router-id <ip-addr> | sequence-number <num> | status <index> | summary]]	ARISTANDCA00287991
show ip ospf border-routers	show ip ospf border-routers [<ip-addr>]	ARISTANDCA00287991
show ip ospf interface	show ip ospf interface [<ip-addr>]	ARISTANDCA00287991
show ip ospf neighbor	show ip ospf neighbor [router-id <ip-addr>] | [<num>]	ARISTANDCA00287991
show ip pim interface	show ip pim interface [ethernet <portnum> | ve <num>]	ARISTANDCA00287991
show ip pim neighbor	show ip pim neighbor	HPE48032
show ip pim rp-hash	show ip pim rp-hash <group-addr>	ARISTANDCA00287991
show ip prefix-list	show ip prefix-lists	ARISTANDCA00287991
show ip route	show ip route [<ip-addr> [<ip-mask>] [longer] [none-bgp]] | <num> | bgp | direct | ospf | rip | static	ARISTANDCA00287991
show ipv6 neighbors	show ipv6 neighbor [<ipv6-prefix>/<prefix-length> | <ipv6-address> | ethernet <port> | ve <number>]	ARISTANDCA00287991
show ipv6 route	show ipv6 route [<ipv6-address> | <ipv6-prefix>/<prefix-length> | bgp | connect | ospf | rip | static | summary]	ARISTANDCA00287991
show lacp counters	show lacp counters	HPE46789
show lldp	#show lldp	HPE93160
show module	show module	ARISTANDCA00287991
show port-security	show port security <module> | <portnum>	ARISTANDCA00287991
show radius	show radius authentication show radius [host < ip-addr >]	HPE43019
show reload	show reload	ARISTANDCA00287991
show route-map	show route-map [<map-name>]	ARISTANDCA00287991
show snmp engineID	show snmp engineid	ARISTANDCA00287991
show snmp group	show snmp group	ARISTANDCA00287991
show snmp user	show snmp user	ARISTANDCA00287991
show spanning-tree	show spanning-tree <bridgegroup#>	HPE93160
show tacacs	show tacacs	HPE43019
show users	show users	ARISTANDCA00287991
show version	show version	ARISTANDCA00287991
show vlan	show vlans [<vlan-id> | ethernet <portnum>]	ARISTANDCA00287991
show vrrp	show vrrp config // show vrrp	HPE46789, HPE48032
snmp-server community	snmp-server community [0 | 1] <string> ro | rw [view <viewname>] [<standard-acl-name> | <standard-acl-id>]	ARISTANDCA00287991
snmp-server contact	snmp-server contact <text>	ARISTANDCA00287991
snmp-server enable traps	[no] snmp-server enable traps <trap-type>	ARISTANDCA00287991
snmp-server engineID local	[no] snmp-server engineid local <hex-string>	ARISTANDCA00287991
snmp-server group	[no] snmp-server group <groupname> v1 | v2 | v3 auth | noauth [access <standard acl-id>] [read <viewstring> | write <viewstring>]	ARISTANDCA00287991
snmp-server host	snmp-server host <ip-addr> [0 | 1] <string> [port <value>]	ARISTANDCA00287991
snmp-server location	snmp-server location <text>	ARISTANDCA00287991
snmp-server user	[no] snmp-server user <name> <groupname> v3 [[access <standard-acl-id>] [encrypted] [auth md5 <md5-password> | sha <sha-password>] [priv [encrypted] des <des-password>]]]	ARISTANDCA00287991
snmp-server view	[no] snmp-server view <name> <mib_tree> included | excluded	ARISTANDCA00287991
spanning-tree mode	spanning-tree mode [rstp | stp]	HPE93160
tacacs-server host	tacacs-server host <ip-addr> | <server-name> [auth-port <number>]	ARISTANDCA00287991
tacacs-server key	tacacs-server [key 0 | 1 <string>] [timeout <number>] [retransmit <number>] [dead-time <number>]	ARISTANDCA00287991
tacacs-server timeout	tacacs-server [key 0 | 1 <string>] [timeout <number>] [retransmit <number>] [dead-time <number>]	ARISTANDCA00287991
terminal length	terminal length <number-of-lines>	ARISTANDCA00287991
terminal monitor	terminal monitor	ARISTANDCA00287991

APPENDIX H.ISCLI - ISCLI Use of Disputed CLI Commands

Disputed Cisco Command	ISCLI Command Syntax	Bates Number of BNT, IBM, or Lenovo Document
aggregate-address	aggregate-address <1-16> <IP address> <IP netmask>	LENOVO-ARISTA000001
clear counters	clear counters	LENOVO-ARISTA000001
clear ipv6 neighbors	clear ipv6 neighbors	LENOVO-ARISTA000001
flowcontrol receive	flowcontrol {receive|send} [on|off]	LENOVO-ARISTA000001
flowcontrol send	flowcontrol {receive|send} [on|off]	LENOVO-ARISTA000001
ip address	ip address <IP address>	LENOVO-ARISTA000001
ip dhcp snooping	ip dhcp snooping	LENOVO-ARISTA013095
ip dhcp snooping information option	[no] ip dhcp snooping information option-insert	LENOVO-ARISTA013095
ip dhcp snooping vlan	ip dhcp snooping vlan <VLAN number>	LENOVO-ARISTA013095
ip igmp query-interval	ip igmp query-interval <1-600>	LENOVO-ARISTA000001
ip local-proxy-arp	[no] ip local-proxy-arp	ARISTANDCA13276058
ip name-server	[no] ip name-server <IP address>	ARISTANDCA13273702
ip ospf cost	ip ospf cost <1-65535>	LENOVO-ARISTA000001
ip ospf dead-interval	ip ospf dead-interval <1-65535>	LENOVO-ARISTA000001
ip ospf hello-interval	ip ospf hello-interval <1-65535>	LENOVO-ARISTA000001
ip ospf message-digest-key	[no] ip ospf message-digest-key <1-255>	LENOVO-ARISTA000001
ip ospf retransmit-interval	ip ospf retransmit-interval <1-3600>	LENOVO-ARISTA000001
ip pim dr-priority	ip pim dr-priority <0-4294967294>	LENOVO-ARISTA000001
ip pim neighbor-filter	[no] ip pim neighbor-filter	LENOVO-ARISTA000001
ip route	ip route <IP subnet> <IP netmask> <IP nexthop> [<interface number>]	LENOVO-ARISTA000001
ip routing	ip routing [no] ip routing directed-broadcasts [no] ip routing no-icmp-redirect [no] ip routing icmp6-redirect	LENOVO-ARISTA000001
ipv6 address	ipv6 address <IP address (such as 3001:0:0:0:0:0:abcd:12)> [<IP6 prefix length (1-128)>] [enable|anycast]	LENOVO-ARISTA000001
ipv6 nd prefix	ipv6ndprefix{<IPv6prefix> <prefixlength>}no-autoconfig	LENOVO-ARISTA013095
ipv6 nd ra interval	[no] ipv6 nd ra-interval <4-1800>	LENOVO-ARISTA013095
ipv6 nd ra lifetime	ipv6 nd ra-lifetime <0-9000>	LENOVO-ARISTA013095
ipv6 nd reachable-time	[no] ipv6 nd reachable-time <1-3600>	LENOVO-ARISTA013095
ipv6 ospf area	ipv6 ospf area <area index (0-2)>	LENOVO-ARISTA000001
ipv6 ospf cost	[no] ipv6 ospf cost <1-65535>	LENOVO-ARISTA000001
ipv6 ospf dead-interval	[no] ipv6 ospf hello-interval <1-65535>	LENOVO-ARISTA000001
ipv6 ospf hello-interval	[no] ipv6 ospf dead-interval <1-65535>	LENOVO-ARISTA000001
ipv6 ospf network	ipv6 ospf network {broadcast|non-broadcast|pint-to-multipoint| point-to-point}	LENOVO-ARISTA000001
ipv6 ospf priority	[no] ipv6 ospf priority <priority value (0-255)>	LENOVO-ARISTA000001
ipv6 ospf retransmit- interval	[no] ipv6 ospf retransmit-interval <1-1800>	LENOVO-ARISTA000001
ipv6 ospf transmit-delay	[no] ipv6 ospf transmit-delay <1-1800>	LENOVO-ARISTA000001
ipv6 router ospf	[no] ipv6 router ospf	LENOVO-ARISTA000001
lacp system-priority	lacp system-priority <1-65535>	LENOVO-ARISTA000001
mac-address-table static	mac-address-table static <MAC address> vlan <VLAN number> {port <port alias or number> |portchannel <trunk number> | adminkey <1-65535> }	LENOVO-ARISTA000001
maximum-paths	maximum-paths <0-4>	LENOVO-ARISTA013095
neighbor next-hop-self	[no] neighbor <1-96> next-hop-self	LENOVO-ARISTA005923
neighbor password	[no] neighbor <1-12> password <1-16 characters>	LENOVO-ARISTA000001
neighbor remote-as	neighbor <1-12> remote-as <1-65535>	LENOVO-ARISTA000001
neighbor route-reflector-client	[no] neighbor <1-12> route-reflector-client	LENOVO-ARISTA000001
neighbor shutdown	neighbor <1-12> shutdown	LENOVO-ARISTA000001
ntp authenticate	[no] ntp authenticate	LENOVO-ARISTA000001
ntp trusted-key	ntp trusted-key <1-65534> |0	LENOVO-ARISTA000001
port-channel min-links	port-channel min-links <1-32>	LENOVO-ARISTA000001
route-map	route-map {<1-32> }	LENOVO-ARISTA000001
router bgp	router bgp	LENOVO-ARISTA000001
router ospf	router ospf	LENOVO-ARISTA000001
router rip	router rip	LENOVO-ARISTA000001
router-id	ip router-id <IP address>	LENOVO-ARISTA000001
router-id (OSPFv3)	router-id <IPv4 address>	LENOVO-ARISTA000001
show arp	show arp	LENOVO-ARISTA000001
show dot1x	show dot1x	LENOVO-ARISTA000001
show environment power	show environment power	LENOVO-ARISTA000001
show ip arp	show ip arp show ip arp find <IP address> show ip arp interface port <port number or alias> show ip arp vlan <VLAN number> show ip arp reply	LENOVO-ARISTA000001
show ip bgp	show ip bgp show ip bgp information[<IPv4 network> <IPv4 mask>] show ip bgp neighbor <1-12> redistribute	LENOVO-ARISTA000001
show ip dhcp snooping	show ip dhcp snooping binding	LENOVO-ARISTA000001
show ip igmp groups	show ip igmp groups address <IP address> show ip igmp groups vlan <VLAN number> show ip igmp groups interface port <port alias or number> show ip igmp groups portchannel <trunk number> show ip igmp groups detail <IP address> show ip igmp groups	LENOVO-ARISTA000001
show ip interface brief	show ip interface brief	LENOVO-ARISTA000001
show ip mroute	show ip mroute	LENOVO-ARISTA000001
show ip ospf	show ip ospf general-information show ip ospf area information show ip ospf area <0-2> show ip ospf interface loopback <1-5> show ip ospf neighbor show ip ospf database	LENOVO-ARISTA000001
show ip ospf database database-summary	show ip ospf database database-summary	LENOVO-ARISTA000001
show ip ospf interface	show ip ospf interface loopback <1-5> show ip ospf interface [<interface number>] counters	LENOVO-ARISTA000001
show ip ospf neighbor	show ip ospf neighbor	LENOVO-ARISTA000001
show ip pim interface	show ip pim interface [<interface number> |detail]	LENOVO-ARISTA000001
show ip pim neighbor	show ip pim neighbor [<interface number> |port <port number>]	LENOVO-ARISTA000001

APPENDIX H.ISCLI - ISCLI Use of Disputed CLI Commands

show ip route	show ip route show ip route static show ip route ecmphash show ip route interface <interface number> show ip route tag {fixed|static|addr|rip|ospf|bgp|broadcast| martian|multicast} show ip route type {indirect|direct|local|broadcast|martian| multicast} show ip route gateway <IP address> show ip route address <IP address>	LENOVO-ARISTA000001
show ip route tag	show ip route tag {fixed|static|addr|rip|ospf|bgp|broadcast| martian|multicast}	LENOVO-ARISTA000001
show ipv6 interface	show ipv6 interface *<interface number>*	LENOVO-ARISTA000001
show ipv6 neighbors	show ipv6 neighbors find *<IPv6 address>* *show ipv6 neighbors interface port <port alias or number> show ipv6 neighbors vlan <VLAN number> show ipv6 neighbors static*	LENOVO-ARISTA000001
show ipv6 ospf	show ipv6 ospf information show ipv6 ospf area <area index (0-2)> show ipv6 ospf area-virtual-link show ipv6 ospf host show ipv6 ospf request-list <nbr router-id (A.B.C.D)> show ipv6 ospf retrans-list <nbr router-id (A.B.C.D)> show ipv6 ospf summary-prefix <area index (0-2)> show ipv6 ospf redist-config show ipv6 ospf area-range information show ipv6 ospf routes show ipv6 ospf border-routers	LENOVO-ARISTA000001
show ipv6 ospf border-routers	show ipv6 ospf border-routers	LENOVO-ARISTA000001
show ipv6 ospf interface	show ipv6 ospf interface *<interface number>*	LENOVO-ARISTA000001
show ipv6 ospf neighbor	show ipv6 ospf neighbor *<nbr router-id (A.B.C.D)>*	LENOVO-ARISTA000001
show ipv6 route	show ipv6 route address *<IPv6 address>*	LENOVO-ARISTA000001
show ipv6 route summary	show ipv6 route summary	LENOVO-ARISTA000001
show lldp	show lldp remote-device [*<1-256>* |detail] show lldp port show lldp receive show lldp transmit show lldp port <1-16> tlv evb show lldp information	LENOVO-ARISTA000001
show mac-address-table	show mac-address-table address *<MAC address>*	LENOVO-ARISTA000001
show ntp associations	show ntp associations	LENOVO-ARISTA000001
show route-map	show route-map [*<1-32>*]	LENOVO-ARISTA000001
show spanning-tree	show spanning-tree	LENOVO-ARISTA000001
show spanning-tree blockedports	show spanning-tree blockedports	LENOVO-ARISTA005923
show spanning-tree mst	show spanning-tree mst <0-32> [information]	LENOVO-ARISTA005923
show spanning-tree mst configuration	show spanning-tree mst configuration	LENOVO-ARISTA005923
show spanning-tree root	show spanning-tree root	LENOVO-ARISTA005923
show vlan	show vlan *<VLAN number>*	LENOVO-ARISTA000001
show vlan private-vlan	show vlan private-vlan [type]	LENOVO-ARISTA005923
snmp-server community	snmp-server community <1-16>	LENOVO-ARISTA005923
snmp-server contact	snmp-server contact *<1-64 characters>*	LENOVO-ARISTA000001
snmp-server group	snmp-server group *<1-16>*	LENOVO-ARISTA000001
snmp-server host	snmp-serverhost*<traphostIPaddress> <traphostcommunitystring>*	LENOVO-ARISTA000001
snmp-server location	snmp-server location *<1-64 characters>*	LENOVO-ARISTA000001
snmp-server user	snmp-server user *<1-16>*	LENOVO-ARISTA000001
snmp-server view	snmp-server view *<1-128>*	LENOVO-ARISTA000001
spanning-tree bpduguard	[no] spanning-tree bpduguard	LENOVO-ARISTA005923 ARISTANDCA13273536
spanning-tree link-type	[no] spanning-tree link-type p2p|shared	LENOVO-ARISTA000001
spanning-tree mode	spanning-tree mode [disable|mst|pvrst|rstp]	LENOVO-ARISTA000001
spanning-tree mst configuration	spanning-tree mst configuration	LENOVO-ARISTA005923
storm-control	storm-control {broadcast|multicast|unicast} level rate <0-2097151> storm-control {broadcast|multicast|unicast} level pps <0-2097151>	LENOVO-ARISTA005923
switchport access vlan	switchport access vlan <VLANID(1-4094)>	LENOVO-ARISTA005923
switchport mode	switchport mode {access|trunk|private-vlan}	LENOVO-ARISTA005923
switchport private-vlan mapping	[no] switchport private-vlan mapping <primaryVLANID(2-4094)>	LENOVO-ARISTA005923
switchport trunk allowed vlan	switchport trunk allowed vlan <VLANID(1-4094)>	LENOVO-ARISTA005923
switchport trunk native vlan	switchport trunk native vlan <VLANID(1-4094)>	LENOVO-ARISTA005923
terminal length	terminal-length *<0-300>*	LENOVO-ARISTA000001

APPENDIX H.JE - Juniper JUNOSe Usage of Disputed CLI Commands

Disputed Cisco Command	JUNOSe Command Syntax	Juniper Manual Bates Number
aaa accounting	aa accounting acct-stop on-aaa-failure { enable | disable }	ARISTANDCA13289332
aaa authentication login	aaa authentication login authListName authenticator [authenticators]*	ARISTANDCA13289332
aaa authorization config-commands	[no] aaa authorization config-commands	19006JNPR00121081
address-family	[no] address-family { ipv4 [multicast | unicast | unicast vrf vrfName | vrf vrfName] | vpnv4 [unicast] }	ARISTANDCA13289332
aggregate-address	[no] aggregate-address address mask [as-set | summary-only | attribute-map attributeMapTag | advertise-map advertiseMapTag | suppress-map suppressMapName]*	ARISTANDCA13289332
area default-cost	area { areaId | areaIdInt } default-cost defaultCost	ARISTANDCA13289332
area default-cost (OSPFv3)	area { *areaId* | *areaIdInt* } default-cost *defaultCost*	19006JNPR00121081
area nssa	[no] area { areaId | areaIdInt } nssa [default-information-originate [always | metric absoluteValue | metric-type 1 | metric-type 2 | route-map mapTag]*]	ARISTANDCA13289332
area nssa (OSPFv3)	[no] area { *areaId* | *areaIdInt* } nssa [default-information-originate [always | metric *absoluteValue* | metric-type 1 | metric-type 2 | route-map *mapTag*]*] [no-summary]	19006JNPR00121081
area nssa default-information-originate	[no] area { areaId | areaIdInt } nssa [default-information-originate [always | metric absoluteValue | metric-type 1 | metric-type 2 | route-map mapTag]*]	ARISTANDCA13289332
area nssa default-information-originate (OSPFv3)	[no] area { *areaId* | *areaIdInt* } nssa [default-information-originate [always | metric *absoluteValue* | metric-type 1 | metric-type 2 | route-map *mapTag*]*] [no-summary]	19006JNPR00121081
area nssa no-summary	[no] area { *areaId* | *areaIdInt* } nssa [default-information-originate [always | metric *absoluteValue* | metric-type 1 | metric-type 2 | route-map *mapTag*]*] [no-summary]	19006JNPR00121081
area range	[no] area { areaId | areaIdInt } range ipAddress mask [do-not-advertise]	ARISTANDCA13289332
area range (OSPFv3)	[no] area { *areaId* | *areaIdInt* } range *ipv6Prefix/ipv6PrefixLength* [do-not-advertise | advertise | cost *costValue*]	19006JNPR00121081
area stub	[no] area { areaId | areaIdInt } stub	ARISTANDCA13289332
area stub (OSPFv3)	[no] area { *areaId* | *areaIdInt* } stub [no-summary]	19006JNPR00121081
arp timeout	arp timeout timeoutVal	ARISTANDCA13289332
banner login	banner [motd | login | exec] bannerText	ARISTANDCA13289332
banner motd	banner [motd | login | exec] bannerText	ARISTANDCA13289332
bgp client-to-client reflection	[no] bgp client-to-client reflection	ARISTANDCA13289332
bgp cluster-id	bgp cluster-id { clusterId | ipAddress }	ARISTANDCA13289332
bgp confederation identifier	bgp confederation identifier autonomousSystem	ARISTANDCA13289332
bgp confederation peers	no] bgp confederation peers [autonomousSystem]*	ARISTANDCA13289332
bgp log-neighbor-changes	[no] bgp log-neighbor-changes	ARISTANDCA13289332
bgp redistribute internal	[no] bgp redistribute-internal	ARISTANDCA13289332
boot system	boot system relFileName	ARISTANDCA13289332
clear ip arp	clear [ip] arp [vrf vrfName] { ipAddress interfaceType interfaceSpecifier | * }	ARISTANDCA13289332
clear ip bgp	clear ip bgp [{ ipAddress | peer-group peerGroupName | * }] [vrf vrfName] [ipv4 { unicast | multicast } | vpnv4 unicast] [soft [in | out]]	ARISTANDCA13289332
clear ip mroute	clear ip mroute { * | grpAddress [sourceAddress] }	ARISTANDCA13289332
clear ip nat translation	insideLocalIpAddress clear ip nat translation outside outsideLocalIpAddress outsideGlobalIpAddress clear ip nat translation { icmp | tcp | udp } inside insideGlobalIpAddress insideGlobalPort insideLocalIpAddress insideLocalPort clear ip nat translation { gre | icmp | tcp | udp } inside insideGlobalIpAddress * insideLocalIpAddress * clear ip nat translation { icmp | tcp | udp } inside insideGlobalIpAddress insideGlobalPort insideLocalIpAddress insideLocalPort outside outsideLocalIpAddress outsideLocalPort outsideGlobalIpAddress outsideGlobalPort	19006JNPR00121081
clear ip ospf neighbor	clear ip ospf neighbor [*neighborAddress*]	19006JNPR00121081
clear ipv6 neighbors	clear ipv6 neighbors [include-statics | statics-only]	19006JNPR00121081
clock set	clock set time { month day | day month } year	ARISTANDCA13289332
clock timezone	clock timezone name hours [minutes]	ARISTANDCA13289332
control-plane	control-plane	19006JNPR00121081
default-information originate (OSPF)	[no] default-information originate [always | metric metricValue | metric-type 1 | metric-type 2 | route-map mapTag]*	ARISTANDCA13289332
default-information originate (OSPFv3)	[no] area { *areaId* | *areaIdInt* } nssa [default-information-originate [always | metric *absoluteValue* | metric-type 1 | metric-type 2 | route-map *mapTag*]*] [no-summary]	19006JNPR00121081
default-metric (OSPF)	[no] default-metric metricValue [interfaceType interfaceSpecifier]	ARISTANDCA13289332
default-metric (OSPFv3)	[no] default-metric *metricValue* [*interfaceType interfaceSpecifier*]	19006JNPR00121081
distance bgp	distance bgp externalDistance internalDistance localDistance	ARISTANDCA13289332
domain-id	domain-id domainIdAddress | domainId	ARISTANDCA13289332
enable secret	enable secret [level securityLevel] [secretType] secretText	ARISTANDCA13289332
interface loopback	[no] interface loopback interfaceSpecifier	ARISTANDCA13289332
ip address	ip address ipAddress ipMask [secondary]	ARISTANDCA13289332
ip as-path access-list	ip as-path access-list accessListName { permit | deny } pathExpression	ARISTANDCA13289332
ip domain lookup	[no] ip domain-lookup [transit-virtual-router vrName]	ARISTANDCA13289332
ip domain-name	no] ip domain-name domainName	ARISTANDCA13289332
ip igmp last-member-query-interval	ip igmp last-member-query-interval tenthsOfaSecond	ARISTANDCA13289332
ip igmp query-interval	ip igmp query-interval seconds	ARISTANDCA13289332
ip igmp query-max-response-time	ip igmp query-max-response-time tenthsOfaSecond	ARISTANDCA13289332

APPENDIX H.JE - Juniper JUNOSe Usage of Disputed CLI Commands

ip igmp static-group	[no] ip igmp static-group groupAddress	ARISTANDCA13289332
ip igmp version	ip igmp version {2|1}	ARISTANDCA13289332
ip multicast-routing	[no] ip multicast-routing	ARISTANDCA13289332
ip name-server	[no] ip name-server serverIpAddress [serverIpAddress]*	ARISTANDCA13289332
ip nat pool	ip nat pool *name* [*startIpAddress endIpAddress*] {netmask *networkMask* | prefix-length *length* }	19006JNPR00121081
ip nat translation tcp-timeout	ip nat translation { timeout | udp-timeout | dns-timeout | tcp-timeout | first-timeout |icmp-timeout | gre-timeout } *seconds*	19006JNPR00121081
ip nat translation udp-timeout	ip nat translation { timeout | udp-timeout | dns-timeout | tcp-timeout | first-timeout |icmp-timeout | gre-timeout } *seconds*	19006JNPR00121081
ip ospf authentication-key	ip ospf authentication-key authKey	ARISTANDCA13289332
ip ospf cost	[no] ip ospf cost intfCost	ARISTANDCA13289332
ip ospf dead-interval	[no] ip ospf dead-interval deadInterval	ARISTANDCA13289332
ip ospf hello-interval	[no] ip ospf hello-interval helloInterval	ARISTANDCA13289332
ip ospf network	ip ospf network { broadcast | non-broadcast | point-to-point }	ARISTANDCA13289332
ip ospf priority	[no] ip ospf priority intfPriority	ARISTANDCA13289332
ip ospf retransmit-interval	[no] ip ospf retransmit-interval retransInterval	ARISTANDCA13289332
ip ospf shutdown	[no] ip ospf shutdown	ARISTANDCA13289332
ip ospf transmit-delay	[no] ip ospf transmit-delay transmDelay	ARISTANDCA13289332
ip pim bsr-candidate	ip pim bsr-candidate *interfaceType interfaceSpecifier* [hashMaskLen [priority priority]] [period bootstrapPeriod]	19006JNPR00121081
ip pim dr-priority	ip pim dr-priority priority	19006JNPR00121081
ip pim query-interval	ip pim query-interval queryTime	ARISTANDCA13289332
ip pim rp-address	[no] ip pim rp-address ipAddress [ipAccessList] [override]	ARISTANDCA13289332
ip pim rp-candidate	ip pim rp-candidate *interfaceType interfaceSpecifier* [group-list *accessListName*] [hold-time *holdTime*] [priority *priority*] [interval *interval*]	19006JNPR00121081
ip pim spt-threshold	[no] ip pim spt-threshold { 0 | nonzero_integer | infinity } [group-list ipAccessList]	ARISTANDCA13289332
ip pim spt-threshold group-list	[no] ip pim spt-threshold { 0 | nonzero_integer | infinity } [group-list ipAccessList]	ARISTANDCA13289332
ip pim ssm range	ip pim ssm [default | range *ipAccessList*]	19006JNPR00121081
ip prefix-list	ip prefix-list listName { description desc | [seq sequence] { permit | deny } ipPrefix [ge geNumber] [le leNumber] }	ARISTANDCA13289332
ip proxy-arp	ip proxy-arp [restricted | unrestricted]	ARISTANDCA13289332
ip route	ip route [vrf vrfName] ipAddress ipMask { ipNextHop | interfaceType interfaceSpecifier } [distance] [tag tagVal] [permanent]	ARISTANDCA13289332
ipv6 access-list	ipv6 access-list *accessListName* { permit | deny } { srcIPv6Prefix | host srcIPHost |	19006JNPR00121081
ipv6 address	[no] ipv6 address *ipv6Prefix* [eui-64]	19006JNPR00121081
ipv6 enable	[no] ipv6 enable	19006JNPR00121081
ipv6 nd managed-config-flag	[no] ipv6 nd managed-config-flag	19006JNPR00121081
ipv6 nd ns-interval	ipv6 nd ns-interval *milliseconds*	19006JNPR00121081
ipv6 nd other-config-flag	[no] ipv6 nd other-config-flag	19006JNPR00121081
ipv6 nd ra interval	ipv6 nd ra-interval *seconds*	19006JNPR00121081
ipv6 nd ra lifetime	ipv6 nd ra-lifetime *seconds*	19006JNPR00121081
ipv6 nd reachable-time	ipv6 nd reachable-time { *milliseconds* | *hours minutes seconds* }	19006JNPR00121081
ipv6 neighbor	ipv6 neighbor [vrf *vrfName*] ipv6Address interfaceType interfaceSpecifier hardwareAddress	19006JNPR00121081
ipv6 ospf area	[no] ip ospf [*processId*] area { *areaId* | *areaIdInt* }	19006JNPR00121081
ipv6 ospf cost	ipv6 ospf [*processId*] cost intfCost	19006JNPR00121081
ipv6 ospf dead-interval	ipv6 ospf [*processId*] dead-interval *deadInterval*	19006JNPR00121081
ipv6 ospf hello-interval	ipv6 ospf [*processId*] hello-interval *helloInterval*	19006JNPR00121081
ipv6 ospf network	ipv6 ospf [*processId*] network { broadcast | point-to-point }	19006JNPR00121081
ipv6 ospf priority	ipv6 ospf [*processId*] priority *intfPriority*	19006JNPR00121081
ipv6 ospf retransmit- interval	ipv6 ospf [*processId*] retransmit-interval *retransInterval*	19006JNPR00121081
ipv6 ospf transmit-delay	ipv6 ospf [*processId*] transmit-delay *transmDelay*	19006JNPR00121081
ipv6 prefix-list	ipv6 prefix-list *listName* { description *desc* | { [seq *sequence*] { permit | deny } ipv6Prefix [gegeNumber][leleNumber]}}	19006JNPR00121081
ipv6 route	ipv6 route [vrf *vrfName*] prefix { *nextHop* | *interfaceType interfaceSpecifier* } [*distance*] [reject | discard] [tag *tagVal*] [verify bfd-liveness-detection [minimum-interval *minInterval* | [[minimum-receive-interval *minRecInterval*] [minimum-transmit-interval *minTransInterval*]]] [multiplier *multValue*]]	19006JNPR00121081
ipv6 router ospf	[no] ipv6 router ospf *processId*	19006JNPR00121081
isis hello-interval	isis hello-interval seconds [level-1 | level-2]	ARISTANDCA13289332
isis hello-multiplier	isis hello-multiplier multiplier [level-1 | level-2]	ARISTANDCA13289332
isis lsp-interval	isis lsp-interval milliseconds	ARISTANDCA13289332
isis metric	isis metric defaultMetric [level-1 | level-2]	ARISTANDCA13289332
isis priority	isis priority value [level-1 | level-2]	ARISTANDCA13289332
is-type	is-type { level-1 | level-1-2 | level-2-only }	ARISTANDCA13289332
lacp port-priority	lacp port-priority *portPriority*	19006JNPR00121081
load-interval	load-interval timeInterval	ARISTANDCA13289332
log-adjacency-changes	log-adjacency-changes [severity { severityValue | severityNumber }] [verbosity verbosityLevel]	ARISTANDCA13289332
log-adjacency-changes (IS-IS)	[no] ospf log-adjacency-changes [severity { severityValue | severityNumber }] [verbosity verbosityLevel]	ARISTANDCA13289332
log-adjacency-changes (OSPFv3)	[no] log-adjacency-changes [severity { *severityValue* | *severityNumber* }] [verbosity *verbosityLevel*]	19006JNPR00121081

APPENDIX H.JE - Juniper JUNOSe Usage of Disputed CLI Commands

maximum-paths	maximum-paths maxPaths	ARISTANDCA13289332
maximum-paths (OSPFv3)	maximum-paths *maxPaths*	19006JNPR00121081
neighbor activate	[no	default] neighbor { ipAddress	peerGroupName } activate	ARISTANDCA13289332
neighbor allowas-in	[no] neighbor { ipAddress	peerGroupName } allowas-in number	ARISTANDCA13289332
neighbor default-originate	[no	default] neighbor { ipAddress	peerGroupName } default-originate	ARISTANDCA13289332
neighbor description	neighbor { ipAddress	peerGroupName } description text	ARISTANDCA13289332
neighbor ebgp-multihop	[no	default] neighbor { ipAddress	peerGroupName } ebgp-multihop [ttl]	ARISTANDCA13289332
neighbor local-as	neighbor { ipAddress	peerGroupName } local-as number	ARISTANDCA13289332
neighbor next-hop-self	[no	default] neighbor { ipAddress	peerGroupName } next-hop-self	ARISTANDCA13289332
neighbor password	neighbor { ipAddress	peerGroupName } password [0	8] string	ARISTANDCA13289332
neighbor peer-group (assigning members)	neighbor ipAddress peer-group peerGroupName	ARISTANDCA13289332
neighbor peer-group (creating)	neighbor peerGroupName peer-group	ARISTANDCA13289332
neighbor remote-as	neighbor { ipAddress	peerGroupName } remote-as number	ARISTANDCA13289332
neighbor remove-private-as	[no	default] neighbor { ipAddress	peerGroupName } remove-private-as	ARISTANDCA13289332
neighbor route-map	neighbor { ipAddress	peerGroupName } route-map mapTag { in	out }	ARISTANDCA13289332
neighbor route-reflector-client	[no	default] neighbor { ipAddress	peerGroupName } route-reflector-client	ARISTANDCA13289332
neighbor send-community	[no	default] neighbor { ipAddress	peerGroupName } send-community [standard	extended	both]	ARISTANDCA13289332
neighbor shutdown	[no	default] neighbor { ipAddress	peerGroupName } shutdown	ARISTANDCA13289332
neighbor timers	neighbor { ipAddress	peerGroupName } timers keepaliveTime holdTime	ARISTANDCA13289332
neighbor update-source	neighbor { ipAddress	peerGroupName } update-source { interfaceType interfaceSpecifier	updateSourceAddress }	ARISTANDCA13289332
neighbor weight	neighbor { ipAddress	peerGroupName } weight value	ARISTANDCA13289332
network area	[no] network ipNet maskWildCard area { areaId	areaIdInt }	ARISTANDCA13289332
no snmp-server	[no] snmp-server	ARISTANDCA13289332
ntp server	ntp server ipAddress [version number] [prefer] [source interfaceType interfaceSpecifier]	ARISTANDCA13289332
ntp source	ntp source interfaceType interfaceSpecifier	ARISTANDCA13289332
passive-interface	[no] passive-interface interfaceType interfaceSpecifier	ARISTANDCA13289332
passive-interface (OSPFv3)	[no] passive-interface interfaceType interfaceSpecifier	ARISTANDCA13290444
redundancy force-switchover	redundancy force-failover { slotNumber	srp }	ARISTANDCA13289332
route-map	[no] route-map mapTag [interfaceType interfaceSpecifier]	ARISTANDCA13289332
router bgp	[no] router bgp autonomousSystem	ARISTANDCA13289332
router isis	[no]routerisis[tag]	ARISTANDCA13289332
router ospf	[no] router ospf processId [vrf vrfName]	ARISTANDCA13289332
router rip	[no] router rip	ARISTANDCA13289332
router-id	bgp router-id ipAddress // [no] ip router-id [vrfName] ipAddress	ARISTANDCA13289332
router-id (OSPFv3)	[no] ip router-id [*vrfName*] *ipAddress*	19006JNPR00121081
set-overload-bit	set-overload-bit [on-startup period]	ARISTANDCA13289332
show arp	show [ip] arp [vrfName] [ipAddress] [interfaceType interfaceSpecifier] [all] [filter]	ARISTANDCA13289332
show clock	show clock [detail] [filter]	ARISTANDCA13289332
show environment all	show environment [all] [table] [filter]	ARISTANDCA13289332
show hosts	show hosts [filter]	ARISTANDCA13289332
show interfaces	show interfaces interfaceType interfaceSpecifier [delta] [brief] [filter]	ARISTANDCA13289332
show ip bgp	show ip bgp [addressFamilyIdentifier] [network [networkMask [longer-prefixes]]] [fields { fieldOptions }] [filter] all	[afi	aggregator	as-path	atomic-aggregate	best	clusters	communities	extended-communities	imported	intro	label	loc-pref	med	next-hop	next-hop-cost	origin	originator-id	peer	peer-type	rd	safi	unknown-types	weight]*	ARISTANDCA13289332
show ip bgp community	show ip bgp [addressFamilyIdentifier] community { communityNumber	local-as	no-advertise	no-export } [communityNumber	local-as	no-advertise	no-export] * [exact-match] [fields { fieldOptions }] [filter]	ARISTANDCA13289332
show ip bgp neighbors	show ip bgp [addressFamilyIdentifier] neighbors [ipAddress] [delta] [filter]	ARISTANDCA13289332
show ip bgp paths	show ip bgp paths [regularExpression] [filter]	ARISTANDCA13289332
show ip bgp peer-group	show ip bgp [addressFamilyIdentifier] peer-group [peerGroupName] [filter]	ARISTANDCA13289332
show ip bgp regexp	show ip bgp [addressFamilyIdentifier] regexp pathExpression [fields { fieldOptions }] [filter]	ARISTANDCA13289332
show ip bgp summary	show ip bgp [addressFamilyIdentifier] summary [fields { fieldOptions }] [delta] [filter]	ARISTANDCA13289332
show ip community-list	show ip community list [listName] [filter]	ARISTANDCA13289332
show ip extcommunity-list	show ip extcommunity-list [listName] [filter]	ARISTANDCA13289332
show ip igmp groups	show ip igmp groups [count] [groupAddress [interfaceType interfaceSpecifier]] [filter]	ARISTANDCA13289332
show ip igmp interface	show ip igmp interface [brief	count] [delta] [interfaceType interfaceSpecifier] [filter]	ARISTANDCA13289332
show ip interface	show ip interface [vrf vrfName] { { [brief	detail] [interfaceType interfaceSpecifier] }	summary } [delta] [filter]	ARISTANDCA13289332
show ip interface brief	show ip interface [vrf vrfName] { { [brief	detail] [interfaceType interfaceSpecifier] }	summary } [delta] [filter]	ARISTANDCA13289332
show ip mroute	show ip mroute [groupIpAddress [sourceIpAddress]] [summary	count	statistics] [filter]	ARISTANDCA13289332
show ip mroute count	show ip mroute [groupIpAddress [sourceIpAddress]] [summary	count	statistics] [filter]	ARISTANDCA13289332

APPENDIX H.JE - Juniper JUNOSe Usage of Disputed CLI Commands

show ip nat translations	show ip nat translations [static | dynamic] [gre | icmp | tcp | udp]* [verbose] [filter] show ip nat translations inside insideLocalIpAddress [localPort] [insideGlobalIpAddress [globalPort]] [verbose] [filter] show ip nat translations outside outsideGlobalIpAddress [globalPort] [outsideLocalIpAddress [localPort]] [verbose] [filter]	19006JNPR00122695
show ip ospf	show ip ospf [vrf vrfName] [delta] [filter]	ARISTANDCA13289332
show ip ospf border-routers	show ip ospf border-routers [vrf vrfName] [filter]	ARISTANDCA13289332
show ip ospf database database-summary	show ip ospf database [vrf vrfName] [database-summary | { asbr-summary | external | network | nssa-external | router | summary | opaqueArea } [ipAddress | internal]] [filter]	ARISTANDCA13289332
show ip ospf interface	show ip ospf interface [vrf vrfName] [interfaceType interfaceSpecifier] [filter]	ARISTANDCA13289332
show ip pim interface	show ip pim interface [interfaceType interfaceSpecifier] [count] [filter]	ARISTANDCA13289332
show ip pim neighbor	show ip pim neighbor [interfaceType interfaceSpecifier] [filter]	ARISTANDCA13289332
show ip pim rp	show ip pim rp { groupAddress | mapping } [filter]	ARISTANDCA13289332
show ip pim rp-hash	show ip pim rp-hash groupAddress [filter]	ARISTANDCA13289332
show ip prefix-list	show ip prefix-list [listName [seq seqNum | ipPrefix [longer | first-match]]] [filter]	ARISTANDCA13289332
show ip rip database	show ip rip database [vrf vrfName] [active] [inactive] [filter]	ARISTANDCA13289332
show ip route	show ip route [vrf vrfName] [ipAddress [ipMask] [detail]] [all] [bgp | isis | local | ospf | other | rip | static] [filter]	ARISTANDCA13289332
show ip route summary	show ip route summary [vrf vrfName] [filter]	ARISTANDCA13289332
show ipv6 access-list	show ipv6 access-list [accessListName] [detail] [filter]	19006JNPR00122695
show ipv6 interface	show ipv6 interface [vrf vrfName] [brief | detail] [interfaceType interfaceSpecifi	19006JNPR00122695
show ipv6 neighbors	show ipv6 neighbors [vrf vrfName] [ipv6Address] [interfaceType interfaceSpeci	19006JNPR00122695
show ipv6 ospf	show ipv6 ospf [filter]	19006JNPR00122695
show ipv6 ospf border-routers	show ipv6 ospf border-routers [vrf vrfName] [filter]	19006JNPR00122695
show ipv6 ospf interface	show ipv6 ospf [areaId | areaIdInt] interface [interfaceType interfaceSpecifier]	19006JNPR00122695
show ipv6 prefix-list	show ipv6 prefix-list[listName [seq seqNum | ipv6Prefix [longer | first-match]]]	19006JNPR00122695
show ipv6 route	show ipv6 route [vrf vrfName] [ipv6Address [detail] | ipv6Prefix [detail]] [all]	19006JNPR00122695
show ipv6 route summary	show ipv6 route summary [vrf vrfName] [filter]	19006JNPR00122695
show isis database	show isis database [level-1 | level-2 | l1 | l2 | lspid | detail | verbose]* [filter]	ARISTANDCA13289332
show isis topology	showisistopology[[level-1|level-2|l1|l2]*[nsap]|[nsap][level-1| level-2 | l1 | l2]*] [filter]	ARISTANDCA13289332
show ntp associations	show ntp associations [detail] [filter]	ARISTANDCA13289332
show ntp status	show ntp status [filter]	ARISTANDCA13289332
show privilege	show privilege	19006JNPR00122695
show reload	show reload [filter]	ARISTANDCA13289332
show route-map	show route-map [listName] [filter]	ARISTANDCA13289332
show snmp	show snmp [delta] [filter]	ARISTANDCA13289332
show snmp community	show snmp community [filter]	ARISTANDCA13289332
show snmp group	show snmp group [filter]	19006JNPR00122695
show snmp trap	show snmp trap [filter]	ARISTANDCA13289332
show snmp user	show snmp user [filter]	ARISTANDCA13289332
show snmp view	show snmp view [filter]	ARISTANDCA13289332
show tacacs	show tacacs [statistics | delta] [filter]	19006JNPR00122695
show track	show track objectName [filter]	19006JNPR00122695
show users	show users [detail] [all] [filter]	ARISTANDCA13289332
show version	show version [filter]	ARISTANDCA13289332
snmp-server community	snmp-server community commString [view viewName] [priv] [accessListName]	ARISTANDCA13289332
snmp-server contact	snmp-server contact text	ARISTANDCA13289332
snmp-server enable traps	[no] snmp-server enable traps [trapCategory | snmp authentication] [trapfilters trapFilter]	ARISTANDCA13289332
snmp-server group	snmp-server group groupName securityModel authenticationLevel [read readView] [write writeView] [notify notifyView] [storageType]	19006JNPR00122695
snmp-server host	snmp-server host ipAddress [version ver] securityString [udp-port port] [trapCategory]* [trapFilters trapFilter]	ARISTANDCA13289332
snmp-server location	snmp-server location text	ARISTANDCA13289332
snmp-server user	snmp-server user userName group groupName [authentication authType authKey] [privacy privType privKey]	ARISTANDCA13289332
snmp-server view	snmp-server view viewName oidTree [viewType] [storageType]	19006JNPR00122695
spf-interval	spf-interval [level-1 | level-2] seconds	ARISTANDCA13289332
tacacs-server host	tacacs-server host ipAddress [port portNumber] [timeout timeoutValue] [key keyValueString] [primary]	19006JNPR00122695
tacacs-server key	tacacs-server key keyValueString	19006JNPR00122695
tacacs-server timeout	tacacs-server timeout timeoutValue	19006JNPR00122695
terminal length	terminal length value	ARISTANDCA13289332
timers bgp	timers bgp keepaliveTime holdTime	ARISTANDCA13289332

APPENDIX H.NG - NETGEAR Usage of Disputed CLI Commands

Disputed Cisco Command	NETGEAR Command Syntax	NETGEAR Manual Bates Number
aaa accounting	aaa accounting {exec | commands } {default | list_name} {start-stop | stop-only |none} method1 [method2...]	ARISTANDCA13350585
aaa authentication login	aaa authentication login {default | list-name} method1 [method2...]	ARISTANDCA13350585
area default-cost	area <areaid> default-cost <1-16777215>	ARISTANDCA13350585
area default-cost (OSPFv3)	area <areaid> default-cost <1-16777215>	ARISTANDCA13350585
area nssa	area <areaid> nssa	ARISTANDCA13350585
area nssa (OSPFv3)	area <areaid> nssa	ARISTANDCA13350585
area nssa default-information-originate	area <areaid> nssa default-info-originate [<metric>] [{comparable | non-comparable}]	ARISTANDCA13350585
area nssa default-information-originate (OSPFv3)	area <areaid> nssa default-info-originate [<metric>] [{comparable | non-comparable}]	ARISTANDCA13350585
area nssa no-summary	area <areaid> nssa no-summary	ARISTANDCA13350585
area range	area areaid range prefix netmask {summarylink | nssaexternallink} [advertise | not-advertise] [cost cost]	ARISTANDCA13350585
area range (OSPFv3)	area <areaid> range <ipv6-prefix> <prefix-length> {summarylink | nssaexternallink} [advertise | not-advertise]	ARISTANDCA13350585
area stub	area <areaid> stub	ARISTANDCA13350585
area stub (OSPFv3)	area <areaid> stub	ARISTANDCA13350585
arp timeout	arp timeout <15-21600>	ARISTANDCA13350585
boot system	boot system [<unit>] <image-file-name>	ARISTANDCA13350585
clear arp-cache	clear arp-cache [gateway]	ARISTANDCA13350585
clear counters	clear counters {<unit/slot/port> | all}	ARISTANDCA13350585
clock set	clock set <hh:mm:ss> clock set <mm/dd/yyyy>	ARISTANDCA13350585
clock timezone	clock timezone zone-name +/-hours-offset [+/-minutes-offset]	ARISTANDCA13350585
default-information originate (OSPF)	default-information originate [always] [metric <0-16777214>] [metric-type {1 | 2}]	ARISTANDCA13350585
default-information originate (OSPFv3)	default-information originate [always] [metric <1-16777214>] [metric-type {1 | 2}]	ARISTANDCA13350585
default-metric (OSPF)	default-metric <1-16777214>	ARISTANDCA13350585
default-metric (OSPFv3)	default-metric <1-16777214>	ARISTANDCA13350585
dot1x pae authenticator	dot1x pae {supplicant | authenticator}	ARISTANDCA13350585
dot1x port-control	dot1x supplicant port-control {auto | force-authorized | force_unauthorized}	ARISTANDCA13350585
dot1x reauthentication	dot1x re-authentication	ARISTANDCA13350585
dot1x system-auth-control	dot1x system-auth-control	ARISTANDCA13350585
dot1x timeout quiet-period	dot1x timeout {{guest-vlan-period <seconds>} |{reauth-period <seconds>} | {quiet-period <seconds>} | {tx-period <seconds>} | {supp-timeout <seconds>} | {server-timeout <seconds>}}	ARISTANDCA13350585
dot1x timeout reauth-period	dot1x timeout {{guest-vlan-period <seconds>} |{reauth-period <seconds>} | {quiet-period <seconds>} | {tx-period <seconds>} | {supp-timeout <seconds>} | {server-timeout <seconds>}}	ARISTANDCA13350585
dot1x timeout tx-period	dot1x timeout {{guest-vlan-period <seconds>} |{reauth-period <seconds>} | {quiet-period <seconds>} | {tx-period <seconds>} | {supp-timeout <seconds>} | {server-timeout <seconds>}}	ARISTANDCA13350585
interface loopback	interface loopback <loopback-id>	ARISTANDCA13350585
interface vlan	interface vlan <vlan id>	ARISTANDCA13350585
ip access-group	ip access-group {<accesslistnumber>|<name>} {{control-plane|in|out}|vlan <vlan id> {in|out}}[sequence <1-4294967295>]	ARISTANDCA13350585
ip address	ip address <ipaddr> <subnetmask> [secondary]	ARISTANDCA13350585
ip dhcp snooping	ip dhcp snooping	ARISTANDCA13350585
ip dhcp snooping vlan	ip dhcp snooping vlan <vlan-list>	ARISTANDCA13350585
ip domain lookup	ip domain lookup	ARISTANDCA13350585
ip domain-name	ip domain name <name>	ARISTANDCA13350585
ip helper-address	ip helper-address <ip-address> {<1-65535>|dhcp|domain|isakmp|mobile-ip|nameserver|netbios-dgm|netbios-ns|ntp|pim-auto-rip|rip|tacacs|tftp|time}	ARISTANDCA13350585
ip host	ip host <name> <ipaddress>	ARISTANDCA13350585
ip igmp last-member-query-count	ip igmp last-member-query-count <count>	ARISTANDCA13350585
ip igmp last-member-query-interval	ip igmp last-member-query-interval <seconds>	ARISTANDCA13350585
ip igmp query-interval	ip igmp query-interval <seconds>	ARISTANDCA13350585
ip igmp query-max-response-time	ip igmp query-max-response-time <seconds>	ARISTANDCA13350585
ip igmp startup-query-count	ip igmp startup-query-count <count>	ARISTANDCA13350585
ip igmp startup-query-interval	ip igmp startup-query-interval <interval>	ARISTANDCA13350585
ip local-proxy-arp	ip proxy-arp	ARISTANDCA13350585
ip name-server	ip name-server <server-address1> [server-address2...server-address8]	ARISTANDCA13350585
ip ospf authentication	ip ospf authentication {none | {simple <key>} | {encrypt <key> <keyid>}}	ARISTANDCA13350585
ip ospf cost	ip ospf cost <1-65535>	ARISTANDCA13350585
ip ospf dead-interval	ip ospf dead-interval <seconds>	ARISTANDCA13350585
ip ospf hello-interval	ip ospf hello-interval <seconds>	ARISTANDCA13350585
ip ospf priority	ip ospf priority <0-255>	ARISTANDCA13350585
ip ospf retransmit-interval	ip ospf retransmit-interval <0-3600>	ARISTANDCA13350585
ip ospf transmit-delay	ip ospf transmit-delay <1-3600>	ARISTANDCA13350585
ip pim bsr-border	ip pim bsr-border	ARISTANDCA13350585
ip pim bsr-candidate	ip pim bsr-candidate interface [vlan | <unit/slot/port>] <hash-mask length> <bsr-priority> [interval <interval>]	ARISTANDCA13350585
ip pim dr-priority	ip pim dr-priority <0-2147483647>	ARISTANDCA13350585
ip pim rp-address	ip pim rp-address <rp-address> <group-address> <group-mask> [override]	ARISTANDCA13350585

APPENDIX H.NG - NETGEAR Usage of Disputed CLI Commands

ip pim rp-candidate	ip pim rp-candidate interface <interface-num> <group-address> <group-mask> {interval <interval>}	ARISTANDCA13350585
ip proxy-arp	ip proxy-arp	ARISTANDCA13350585
ip route	ip route <ipaddr> <subnetmask> [<nexthopip> | Null0] [<preference>]	ARISTANDCA13350585
ip routing	ip routing	ARISTANDCA13350585
ipv6 access-list	ipv6 access-list <name>	ARISTANDCA13350585
ipv6 address	ipv6 address <prefix>/<prefix_length> [eui64]	ARISTANDCA13350585
ipv6 dhcp relay destination	ipv6 dhcp relay {destination [<relay-address>] interface [<relay-interface>]| interface [<relay-interface>]} [remote-id (duid-ifid | <user-defined-string>)]	ARISTANDCA13350585
ipv6 enable	no ipv6 enable	ARISTANDCA13350585
ipv6 host	ipv6 host <name> <v6 address>	ARISTANDCA13350585
ipv6 nd managed-config-flag	ipv6 nd managed-config-flag	ARISTANDCA13350585
ipv6 nd ns-interval	ipv6 nd ns-interval {<1000-4294967295> | 0}	ARISTANDCA13350585
ipv6 nd other-config-flag	ipv6 nd other-config-flag	ARISTANDCA13350585
ipv6 nd ra interval	ipv6 nd ra-interval-max <4- 1800>	ARISTANDCA13350585
ipv6 nd ra lifetime	ipv6 nd ra-lifetime <lifetime>	ARISTANDCA13350585
ipv6 nd reachable-time	ipv6 nd reachable-time <0–3600000>	ARISTANDCA13350585
ipv6 nd router-preference	ipv6 nd router-preference <high/low/medium>	ARISTANDCA13350585
ipv6 ospf area	ipv6 ospf area <areaid>	ARISTANDCA13350585
ipv6 ospf cost	ipv6 ospf cost <1-65535>	ARISTANDCA13350585
ipv6 ospf dead-interval	ipv6 ospf dead-interval <seconds>	ARISTANDCA13350585
ipv6 ospf hello-interval	ipv6 ospf hello-interval <seconds>	ARISTANDCA13350585
ipv6 ospf network	ipv6 ospf network {broadcast | point-to-point}	ARISTANDCA13350585
ipv6 ospf priority	ipv6 ospf priority <0-255>	ARISTANDCA13350585
ipv6 ospf retransmit- interval	ipv6 ospf retransmit-interval <seconds>	ARISTANDCA13350585
ipv6 ospf transmit-delay	ipv6 ospf transmit-delay <seconds>	ARISTANDCA13350585
ipv6 route	ipv6 route <ipv6-prefix>/<prefix_length> {<next-hop-address> | Null0 | interface {<unit/slot/port> | tunnel <tunnel_id>} <next-hop-address>} [<preference>]	ARISTANDCA13350585
ipv6 router ospf	ipv6 router ospf	ARISTANDCA13350585
ipv6 unicast-routing	ipv6 unicast-routing	ARISTANDCA13350585
lldp receive	lldp receive	ARISTANDCA13350585
lldp timer	lldp timers [interval <interval-seconds>] [hold <hold-value>] [reinit <reinit-seconds>]	ARISTANDCA13350585
lldp transmit	lldp transmit	ARISTANDCA13350585
log-adjacency-changes	log-adjacency-changes [detail]	ARISTANDCA13350585
log-adjacency-changes (IS-IS)	log-adjacency-changes [detail]	ARISTANDCA13350585
log-adjacency-changes (OSPFv3)	log-adjacency-changes [detail]	ARISTANDCA13350585
logging host	logging host <ipaddr|hostname> <addresstype> [<port>][<severitylevel>]	ARISTANDCA13350585
mac access-group	mac access-group <name> {{control-plane|in|out} vlan vlan-id {in|out}} [sequence <1-4294967295>]	ARISTANDCA13350585
maximum-paths	maximum-paths <maxpaths>	ARISTANDCA13350585
maximum-paths (OSPFv3)	maximum-paths <maxpaths>	ARISTANDCA13350585
network area	network <ip-address> <wildcard-mask> area <area-id>	ARISTANDCA13350585
passive-interface	passive-interface {<unit/slot/port>}	ARISTANDCA13350585
passive-interface (OSPFv3)	passive-interface {<unit/slot/port> | tunnel <tunnel-id>}	ARISTANDCA13350585
passive-interface default	passive-interface default	ARISTANDCA13350585
port-channel load-balance	port-channel load-balance { 1 | 2 | 3 | 4 | 5 | 6 | 7} {<unit/slot/port> |<all>}	ARISTANDCA13350585
priority-flow-control mode	priority-flow-control mode [on | off]	ARISTANDCA13350585
private-vlan	private-vlan {association [add | remove] <secondary-vlan-list> | community | isolated | primary}	ARISTANDCA13350585
router ospf	router ospf	ARISTANDCA13350585
router rip	router rip	ARISTANDCA13350585
router-id	router-id <ipaddress>	ARISTANDCA13350585
router-id (OSPFv3)	router-id <ipaddress>	ARISTANDCA13350585
show arp	show arp	ARISTANDCA13350585
show clock	show clock [detail]	ARISTANDCA13350585
show dot1q-tunnel	show dot1q-tunnel [interface {<unit/slot/port> | all}]	ARISTANDCA13350585
show dot1x	show dot1x [{summary {<unit/slot/port> | all} | detail <unit/slot/port> | statistics <unit/slot/port>]	ARISTANDCA13350585
show dot1x statistics	show dot1x [{summary {<unit/slot/port> | all} | detail <unit/slot/port> | statistics <unit/slot/port>]	ARISTANDCA13350585
show hosts	show hosts [name]	ARISTANDCA13350585
show interfaces switchport	show interfaces switchport <unit/slot/port> <groupid>	ARISTANDCA13350585
show ip access-lists	show ip access-lists <accesslistnumber>	ARISTANDCA13350585
show ip dhcp snooping	show ip dhcp snooping	ARISTANDCA13350585
show ip helper-address	show ip helper-address <interface>	ARISTANDCA13350585
show ip igmp groups	show ip igmp groups <unit/slot/port> [detail]	ARISTANDCA13350585
show ip igmp interface	show ip igmp interface <unit/slot/port>	ARISTANDCA13350585
show ip interface	show ip interface {<unit/slot/port> | vlan <1-4093> | loopback <0-7>}	ARISTANDCA13350585
show ip interface brief	show ip interface brief	ARISTANDCA13350585
show ip ospf	show ip ospf	ARISTANDCA13350585
show ip ospf database database-summary	show ip ospf database database-summary	ARISTANDCA13350585
show ip ospf interface	show ip ospf interface {<unit/slot/port> | loopback <loopback-id> | vlan <1-4093>}	ARISTANDCA13350585
show ip ospf neighbor	show ip ospf neighbor [interface <unit/slot/port>] [<ip-address>]	ARISTANDCA13350585

APPENDIX H.NG - NETGEAR Usage of Disputed CLI Commands

show ip pim interface	show ip pim interface <unit/slot/port>	ARISTANDCA13350585
show ip pim neighbor	show ip pim neighbor <unit/slot/port>	ARISTANDCA13350585
show ip pim rp-hash	show ip pim rp-hash <group-address>	ARISTANDCA13350585
show ip route	show ip route [{<ip-address> [<protocol>]	{<ip-address> <mask> [longer-prefixes] [<protocol>]	<protocol>} [all]	all}]	ARISTANDCA13350585
show ip route summary	show ip route summary [all]	ARISTANDCA13350585
show ipv6 interface	show ipv6 interface {brief	<unit/slot/port>	tunnel <0-7>	loopback <0-7>}	ARISTANDCA13350585
show ipv6 ospf	show ipv6 ospf	ARISTANDCA13350585
show ipv6 ospf interface	show ipv6 ospf interface {<unit/slot/port>	loopback <loopback-id>	tunnel <tunnel-id>}	ARISTANDCA13350585
show ipv6 ospf neighbor	show ipv6 ospf neighbor [interface {<unit/slot/port>	tunnel <tunnel_id>}][<ip-address>]	ARISTANDCA13350585
show ipv6 route	show ipv6 route [{<ipv6-address> [<protocol>]	{{<ipv6-prefix/ipv6-prefix-length>	<unit/slot/port>} [<protocol>]	<protocol>	summary} [all]	all}]	ARISTANDCA13350585
show ipv6 route summary	show ipv6 route summary [all]	ARISTANDCA13350585
show lldp	show lldp	ARISTANDCA13350585
show mac access-lists	show mac access-lists [name]	ARISTANDCA13350585
show monitor session	show monitor session <session-id>	ARISTANDCA13350585
show policy-map interface	show policy-map interface <unit/slot/port> [in	out]	ARISTANDCA13350585
show port-security	show port-security [{<unit/slot/port>	all}]	ARISTANDCA13350585
show radius	show radius	ARISTANDCA13350585
show spanning-tree	show spanning-tree	ARISTANDCA13350585
show spanning-tree interface	show spanning-tree interface <unit/slot/port>	ARISTANDCA13350585
show storm-control	show storm-control [all	<unit/slot/port>]	ARISTANDCA13350585
show tacacs	show tacacs [<ip-address|hostname>]	ARISTANDCA13350585
show users	show users	ARISTANDCA13350585
show version	show version	ARISTANDCA13350585
show vlan	show vlan	ARISTANDCA13350585
show vlan private-vlan	show vlan private-vlan [type]	ARISTANDCA13350585
snmp-server community	snmp-server community <name>	ARISTANDCA13350585
snmp-server contact	snmp-server {sysname <name>	location <loc>	contact <con>}	ARISTANDCA13350585
snmp-server enable traps	snmp-server enable traps	ARISTANDCA13350585
snmp-server location	snmp-server {sysname <name>	location <loc>	contact <con>}	ARISTANDCA13350585
spanning-tree bpdufilter	spanning-tree bpdufilter	ARISTANDCA13350585
spanning-tree bpduguard	spanning-tree bpduguard	ARISTANDCA13350585
spanning-tree guard	spanning-tree guard { none	root	loop }	ARISTANDCA13350585
switchport private-vlan mapping	switchport private-vlan {host-association <primary-vlan-id> <secondary-vlan-id>	mapping <primary-vlan-id> {add	remove} <secondary-vlan-list>}	ARISTANDCA13350585
tacacs-server host	tacacs-server host <ip-address|hostname>	ARISTANDCA13350585
tacacs-server key	tacacs-server key [<key-string>	encrypted <key-string>]	ARISTANDCA13350585
tacacs-server timeout	tacacs-server timeout <timeout>	ARISTANDCA13350585
terminal length	terminal length <0|5-48>	ARISTANDCA13350585
port-channel min-links	port-channel min-links number	ARISTANDCA00279773
router bgp	router bgp as-number	ARISTANDCA00279773
show interfaces status	show interfaces status [unit/slot/port]	ARISTANDCA00279773
show vlan internal usage	show vlan internal usage	ARISTANDCA00279773
spanning-tree cost	spanning-tree cost {cost	auto}	ARISTANDCA00279773
storm-control	storm-control broadcast	ARISTANDCA00279773
vlan internal allocation policy	vlan internal allocation {base vlan-id	policy ascending	policy decending}	ARISTANDCA00279773

APPENDIX H.NX - NextHop Techs. Usage of Disputed CLI Commands

Disputed Cisco Command	NextHop Technologies Command Syntax	NextHop Manual Bates Number
address-family	address-family [[ipv4 (unicast | multicast | vpn)] | [ipv6 (unicast | multicast)]]	ARISTANDCA13352468
aggregate-address	aggregate-address (ipv4_address (mask | masklen)?) (protocol [aggregate | all | bgp | direct | isis | kernel | ospf | rip | static]) bgp? || blackhole? || brief? || generate? || [match-map map_name]? || noinstall? || [preference pref]? || (rib [multicast | unicast | unicast-multicast])? aggregate-address ipv6prefix/len (protocol [aggregate | all | bgp | direct | isis | kernel | ospf3 | ripng | static]) bgp? || blackhole? || brief? || generate? || [match-map map_name]? || noinstall? || [preference pref]? || (rib [multicast | unicast	ARISTANDCA13352468
area nssa	area area_id nssa metric metric-type	ARISTANDCA13352468
area nssa (OSPFv3)	area area_id nssa metric metric-type (OSPFv3)	ARISTANDCA13352468
area range	area area_id range ip_address mask [no-advertise]?	ARISTANDCA13352468
area range (OSPFv3)	area area_id range ipv6_address masklen [no-advertise]? (OSPFv3)	ARISTANDCA13352468
area stub	area area_id stub metric?	ARISTANDCA13352468
area stub (OSPFv3)	area area_id stub metric? (OSPFv3)	ARISTANDCA13352468
bgp cluster-id	bgp cluster-id router-id	ARISTANDCA13352468
bgp confederation identifier	bgp confederation identifier confed_id	ARISTANDCA13352468
bgp confederation peers	bgp confederation peers as_number {1, n}	ARISTANDCA13352468
clear ip bgp	clear ip bgp [peer | *] [soft]?	ARISTANDCA13352468
clear ip igmp group	clear ip igmp group [group-name || group-address || type || number]?	ARISTANDCA13352468
clear ip mroute	clear ip mroute gr_address? sr_address?	ARISTANDCA13352468
default-metric (OSPF)	default-metric metric (BGP) default-metric metric_value (OSPF)	ARISTANDCA13352468
default-metric (OSPFv3)	default-metric metric_value (OSPFv3)	ARISTANDCA13352468
ip access-list standard	ip access-list standard list_name	ARISTANDCA13352468
ip as-path access-list	ip as-path access-list name [([permit | deny] regexp origin) | [name as-path-name]]	ARISTANDCA13352468
ip community-list standard	ip community-list name [permit | deny] [comm-set commset_name] [exact]? [standard | extended]?	ARISTANDCA13352468
ip igmp last-member-query-count	ip igmp last-member-query-count value	ARISTANDCA13352468
ip igmp last-member-query-interval	ip igmp last-member-query-interval time-milliseconds	ARISTANDCA13352468
ip igmp query-interval	ip igmp query-interval time-seconds	ARISTANDCA13352468
ip igmp query-max-response-time	ip igmp query-max-response-time time-seconds	ARISTANDCA13352468
ip igmp startup-query-count	ip igmp startup-query-count value	ARISTANDCA13352468
ip igmp startup-query-interval	ip igmp startup-query-interval time-deciseconds	ARISTANDCA13352468
ip igmp static-group	ip igmp static-group group-addr [source source-addr]?	ARISTANDCA13352468
ip igmp version	ip igmp version [1 | 2 | 3]	ARISTANDCA13352468
ip msdp default-peer	ip msdp default-peer address	ARISTANDCA13352468
ip msdp mesh-group	ip msdp mesh-group number address	ARISTANDCA13352468
ip msdp peer	ip msdp peer holdtime time-seconds ip msdp peer ip_address local-address ip_address ip msdp peer ip_address remote-as as_number	ARISTANDCA13352468
ip multicast boundary	ip multicast boundary group-address mask	ARISTANDCA13352468
ip ospf authentication	ip ospf authentication [[simple key] | [md5 id_number md5_key [(start-generate date_time) || (stop-generate date_time) || (start-accept date_time) (stop-accept date_time)]?]]	ARISTANDCA13352468
ip ospf cost	ip ospf cost cost_value	ARISTANDCA13352468
ip ospf dead-interval	ip ospf dead-interval time-seconds	ARISTANDCA13352468
ip ospf hello-interval	ip ospf hello-interval time-seconds	ARISTANDCA13352468
ip ospf network	ip ospf network [point-to-multipoint | nonbroadcast]	ARISTANDCA13352468
ip ospf priority	ip ospf priority level	ARISTANDCA13352468
ip ospf retransmit-interval	ip ospf retransmit-interval time-seconds	ARISTANDCA13352468
ip ospf transmit-delay	ip ospf transmit-delay time-seconds	ARISTANDCA13352468
ip pim anycast-rp	ip pim anycast-rp address [register-count (num | infinity)]? {1,n}	ARISTANDCA13352468
ip pim bsr-border	ip pim bsr-border	ARISTANDCA13352468
ip pim bsr-candidate	ip pim bsr-candidate interface	ARISTANDCA13352468
ip pim dr-priority	ip pim dr-priority level	ARISTANDCA13352468
ip pim rp-address	ip pim rp-address address group prefix	ARISTANDCA13352468
ip pim rp-candidate	ip pim rp-candidate interface	ARISTANDCA13352468
ip pim sparse-mode	ip pim sparse-mode	ARISTANDCA13352468
ip pim ssm range	ip pim ssm range acl_name	ARISTANDCA13352468
ip prefix-list	ip prefix-list list_id [seq seq_value]? [deny | permit] [network/masklen] [ge length]? [le length]?	ARISTANDCA13352468
ip route	ip route prefix [mask || masklen] [nhipv4-address | interface-name] [distance]? [tag tag]? [metric value] [unicast || multicast || noinstall || reject || retain || blackhole]?	ARISTANDCA13352468

APPENDIX H.NX - NextHop Techs. Usage of Disputed CLI Commands

ipv6 access-list	ipv6 access-list list_name	ARISTANDCA13352468
ipv6 ospf area	ipv6 ospf instance_id area area_id	ARISTANDCA13352468
ipv6 prefix-list	ipv6 prefix-list list_id [seq seq_value]? [deny | permit] [network/masklen] [ge length]? [le length]?	ARISTANDCA13352468
ipv6 route	ipv6 route v6_prefix/masklen [nhipv6-addr | interface-name] [distance]? [tag tag]? [metric value] [unicast || multicast || noinstall || reject || retain || blackhole]?	ARISTANDCA13352468
ipv6 router ospf	ipv6 router ospf instance_id	ARISTANDCA13352468
isis hello-interval	isis hello-interval time-seconds [level-1 | level-1-2 | level-2] instance-id?	ARISTANDCA13352468
isis hello-multiplier	isis hello-multiplier number [level-1 | level-1-2 | level-2]? instance-id?	ARISTANDCA13352468
isis lsp-interval	isis lsp-interval time-milliseconds instance-id?	ARISTANDCA13352468
isis metric	isis metric cost [level-1 | level-1-2 | level-2]? instance-id?	ARISTANDCA13352468
isis passive	isis passive instance-id?	ARISTANDCA13352468
isis priority	isis priority number [level-1 | level-1-2 | level 2]? instance-id?	ARISTANDCA13352468
is-type	is-type [level-1 | level-1-2 | level-2]	ARISTANDCA13352468
neighbor activate	neighbor [ip_address | group-name] activate	ARISTANDCA13352468
neighbor local-as	neighbor ip_address local-as as_nu	ARISTANDCA13352468
neighbor next-hop-self	neighbor [ip_address | group-name] next-hop-self	ARISTANDCA13352468
neighbor password	neighbor [ip_address] password key	ARISTANDCA13352468
neighbor peer-group (assigning members)	neighbor ip_address peer-group pgname	ARISTANDCA13352468
neighbor peer-group (creating)	neighbor group-name peer-group	ARISTANDCA13352468
neighbor remote-as	neighbor ip_address remote-as as_num	ARISTANDCA13352468
neighbor remove-private-as	neighbor [ip_address | group-name] remove-private-a	ARISTANDCA13352468
neighbor route-map	neighbor ip_address route-map rm-name [in | out]	ARISTANDCA13352468
neighbor route-reflector-client	neighbor [ip_address | group-name] route-reflector-client [meshed]?	ARISTANDCA13352468
neighbor send-community	neighbor ip_address send-community	ARISTANDCA13352468
neighbor timers	neighbor [ip_address | group-name] timers [keepalive_value holdtime_value]	ARISTANDCA13352468
neighbor update-source	neighbor [ip_address | group-name] update-source source_addr	ARISTANDCA13352468
network area	network ip_address wildcard-mask area area_id	ARISTANDCA13352468
passive-interface	passive-interface	ARISTANDCA13352468
passive-interface (OSPFv3)	passive-interface (OSPFv3)	ARISTANDCA13352468
router bgp	router bgp as_number	ARISTANDCA13352468
router isis	router isis instance-id	ARISTANDCA13352468
router ospf	router ospf instance_id	ARISTANDCA13352468
router rip	router rip	ARISTANDCA13352468
router-id	router-id rid_value	ARISTANDCA13352468
router-id (OSPFv3)	router-id rid_value (OSPFv3)	ARISTANDCA13352468
set-overload-bit	set-overload-bit [on-startup time-seconds]?	ARISTANDCA13352468
show ip bgp	show ip bgp [vr vrname]? [ip_address]? [prefix (longer-prefixes?)]	ARISTANDCA13352468
show ip bgp neighbors	show ip bgp [vr vrname]? neighbors [ipv4-address]?	ARISTANDCA13352468
show ip bgp paths	show ip bgp paths	ARISTANDCA13352468
show ip bgp peer-group	show ip bgp [vr vrname]? peer-group	ARISTANDCA13352468
show ip bgp summary	show ip bgp [vr vrname]? Summary	ARISTANDCA13352468
show ip igmp groups	show ip igmp [vr vrname]? groups [gname | gaddr]? [interface (ipv4_addr | interface_name)]? [detail]?	ARISTANDCA13352468
show ip igmp interface	show ip igmp [vr vrname]? interface [interface-name | ipv4_address]?	ARISTANDCA13352468
show ip mroute	show ip mroute [vr vrname]?	ARISTANDCA13352468
show ip msdp peer	show ip msdp [vr vrname]? Peer	ARISTANDCA13352468
show ip msdp sa-cache	show ip msdp [vr vrname]? sa-cache	ARISTANDCA13352468
show ip ospf	show ip ospf [vr vrname]? instance_id?	ARISTANDCA13352468
show ip ospf border-routers	show ip ospf [vr vrname]? border-rout	ARISTANDCA13352468
show ip ospf interface	show ip ospf [vr vrname]? interface [instance_id interface-name]?	ARISTANDCA13352468
show ip ospf neighbor	show ip ospf [vr vrname]? neighbor [neighbor_id || interface interface_name]?	ARISTANDCA13352468
show ip ospf request-list	show ip ospf [vr vrname]? request-list	ARISTANDCA13352468
show ip ospf retransmission-list	show ip ospf [vr vrname]? retransmission-list interface? neighbor?	ARISTANDCA13352468
show ip pim interface	show ip pim [vr vrname]? interface [ipv4_addr | name]? detail?	ARISTANDCA13352468
show ip pim neighbor	show ip pim [vr vrname]? neighbor name? detail?	ARISTANDCA13352468
show ip pim rp	show ip pim [vr vrname]? Rp	ARISTANDCA13352468
show ip pim rp-hash	show ip pim [vr vrname]? rp-hash ipv4_address	ARISTANDCA13352468
show ip prefix-list	show ip prefix-list [detail | summary]? [list_id]?	ARISTANDCA13352468
show ip rip database	show ip rip database [vr vrname]? [prefix || (tag value) || (ipv4-address netmask) || all || holddown || active || inactive]?	ARISTANDCA13352468

APPENDIX H.NX - NextHop Techs. Usage of Disputed CLI Commands

show ip route	show ip route [vr vrname]? [summary | detail]? show ip route [vr vrname]? [unicast | multicast]? || [(ipv4-address (mask || longer-prefixes)) | bgp | dvmrp | isis | rip | static | connected | (ospf instance-id?) | (list access-list-name)]?	ARISTANDCA13352468
show ip route summary	show ip route [vr vrname]? [summary | detail]?	ARISTANDCA13352468
show ipv6 access-list	show ipv6 route [vr vrname]? [summary]?	ARISTANDCA13352468
show ipv6 bgp	show ipv6 bgp [vr vrname]? (ipv6_address/masklen)?	ARISTANDCA13352468
show ipv6 bgp neighbors	show ipv6 bgp [vr vrname]? neighbors [ipv6-address]?	ARISTANDCA13352468
show ipv6 ospf	show ipv6 ospf [vr vrname]? instance_id?	ARISTANDCA13352468
show ipv6 ospf border-routers	show ipv6 ospf [vr vrname]? border-routers	ARISTANDCA13352468
show ipv6 ospf interface	show ipv6 ospf [vr vrname]? interface instance_id interface-name	ARISTANDCA13352468
show ipv6 ospf neighbor	show ipv6 ospf [vr vrname]? neighbor [neighbor_id || interface interface_name]?	ARISTANDCA13352468
show ipv6 prefix-list	show ipv6 prefix-list [detail | summary]? [list_id]?	ARISTANDCA13352468
show ipv6 route	show ipv6 route [vr vrname]? [summary]? show ipv6 route [vr vrname]? ([unicast | multicast]? || [ipv6_pref/masklen | bgp | ospf3 | isis | ripng | static | connected])?	ARISTANDCA13352468
show ipv6 route summary	show ipv6 route [vr vrname]? [summary]?	ARISTANDCA13352468
show isis database	show isis [vr vrname]? database instance-id? ([level-1 || level-2] | [l1 || l2])?	ARISTANDCA13352468
spf-interval	spf-interval time-seconds	ARISTANDCA13352468
terminal length	terminal length num-lines	ARISTANDCA13352468
timers basic (RIP)	timers basic update-seconds expiration-seconds garbageseconds	ARISTANDCA13352468
timers bgp	timers bgp keepalive_value holdtime_value	ARISTANDCA13352468

APPENDIX H.PR – Procket Networks Usage of Disputed CLI Commands

Disputed Cisco Command	Procket Networks Command Syntax	Procket Networks Manual Bates Number
aaa accounting	[no] aaa accounting {commands <level> | exec | system} default {start-stop | stop-only} {none | radius | tacacs+}	ARISTANDCA13357279
aaa authentication login	[no] aaa authentication {enable | login | password-prompt | user-prompt} default {local | none | radius | tacacs+}	ARISTANDCA13357279
address-family	[no] address-family ipv6 unicast	ARISTANDCA13357095
area default-cost	[no] area <area-id> default-cost <cost>	ARISTANDCA13357095
area default-cost (OSPFv3)	[no] area <area-id> default-cost <cost>	ARISTANDCA13357095
area range	[no] area <area-id> range <ipv6-prefix> [advertise | not-advertise]	ARISTANDCA13357095
area range (OSPFv3)	[no] area <area-id> range <ipv6-prefix> [advertise | not-advertise]	ARISTANDCA13357095
area stub	[no] area <area-id> stub [no-summary]	ARISTANDCA13357095
area stub (OSPFv3)	[no] area <area-id> stub [no-summary]	ARISTANDCA13357095
banner login	[no] banner login	ARISTANDCA13357279
banner motd	[no] banner motd	ARISTANDCA13357279
clear counters	clear counters {all | <interface_name>}	ARISTANDCA13357279
clear ip bgp	clear ip bgp {<ip-address> | *}	ARISTANDCA13356947
clock timezone	[no] clock timezone {<timezone> | <offset>}	ARISTANDCA13357279
default-information originate (OSPF)	[no] default-information originate [always] [metric <metric-value>] [metric-type <type>]	ARISTANDCA13357095
default-information originate (OSPFv3)	[no] default-information originate [always] [metric <metric-value>] [metric-type <type>]	ARISTANDCA13357095
default-metric (OSPF)	[no] ipv6 default-metric <value>	ARISTANDCA13357095
default-metric (OSPFv3)	[no] ipv6 default-metric <value>	ARISTANDCA13357095
enable secret	[no] enable secret [level <level>] {[0] <cleartext-password> | 5 <MD5-encrypted-password>}	ARISTANDCA13357887
interface ethernet	interface Ethernet0/0/4	ARISTANDCA13357095
interface loopback	interface Loopback0	ARISTANDCA13357095
ip access-group	ip access-group	ARISTANDCA13356947
ip address	ip address	ARISTANDCA13356947
ip host	ip host	ARISTANDCA13357095
ip name-server	Manual example shows: ip name-server 10.1.1.1	ARISTANDCA13357887
ip ospf message-digest-key	Manual example shows: ip ospf message-digest-key 1 md5 0 procket	ARISTANDCA13357887
ip pim rp-address	ip pim rp-address 1.1.1.1	ARISTANDCA13356947
ip pim sparse-mode	ip pim sparse-mode	ARISTANDCA13356947
ip radius source-interface	[no] ip radius source-interface <interface-type> <number>	ARISTANDCA13357887
ip route	ip route	ARISTANDCA13356947
ip tacacs source-interface	[no] ip tacacs+ source-interface <interface-type> <number>	ARISTANDCA13357887
ipv6 access-group	[no] ipv6 access-group <policy-name> {in | out}	ARISTANDCA13358495
ipv6 address	ipv6 address <ipv6-address>/<mask-length> [eui64]	ARISTANDCA13357095
ipv6 host	[no] ipv6 host <ipv6-hostname> <ipv6-address> [<ipv6-address>]	ARISTANDCA13357095
ipv6 nd managed-config-flag	[no] ipv6 nd managed-config-flag	ARISTANDCA13357095
ipv6 nd ns-interval	ipv6 nd ns-interval <interval>	ARISTANDCA13357095
ipv6 nd other-config-flag	[no] ipv6 nd other-config-flag	ARISTANDCA13357095
ipv6 nd ra interval	ipv6 nd ra-interval<interval>	ARISTANDCA13357095
ipv6 nd ra lifetime	ipv6 nd ra-lifetime <lifetime>	ARISTANDCA13357095
ipv6 nd reachable-time	ipv6 nd reachable-time <time>	ARISTANDCA13357095
ipv6 neighbor	ipv6 neighbor <ipv6-address> <mac-address>	ARISTANDCA13357095
ipv6 route	[no] ipv6 route <ipv6-prefix> {<nexthop> | <interface>} [<preference>]	ARISTANDCA13357095
is-type	Manual example shows: is-type level-1-2	ARISTANDCA13357887
load-interval	[no] load-interval <seconds>	ARISTANDCA13357279
log-adjacency-changes	[no] log-adjacency-changes [detail]	ARISTANDCA13357095
log-adjacency-changes (IS-IS)	[no] log-adjacency-changes [detail]	ARISTANDCA13357095
log-adjacency-changes (OSPFv3)	[no] log-adjacency-changes [detail]	ARISTANDCA13357095
logging host	[no] logging host <host> facility <facility> [level <level>] [no] logging host <host> facility-override <facility>	ARISTANDCA13357887
maximum-paths	[no] maximum-paths <max-paths>	ARISTANDCA13357095
maximum-paths (OSPFv3)	[no] maximum-paths <max-paths>	ARISTANDCA13357095
no snmp-server	[no] snmp-server	ARISTANDCA13357279
ntp authenticate	[no] ntp authenticate	ARISTANDCA13357279
ntp authentication-key	ntp authentication-key <key-id> md5 [encryption-method] <key-string>	ARISTANDCA13357279
ntp server	[no] ntp server <ip-address> [version <number>] [key <id>] [prefer]	ARISTANDCA13357279
ntp source	ntp source <interface>	ARISTANDCA13357279
ntp trusted-key	[no] ntp trusted-key <keyid>	ARISTANDCA13357279
router bgp	router bgp 1010	ARISTANDCA13356947
router isis	[no] ipv6 router isis <tag>	ARISTANDCA13357095
router ospf	router ospf 101	ARISTANDCA13356947
router rip	[no] router rip <tag>	ARISTANDCA13357095
router-id	[no] router-id <identifier>	ARISTANDCA13357095

APPENDIX H.PR - Procket Networks Usage of Disputed CLI Commands

router-id (OSPFv3)	[no] router-id <identifier>	ARISTANDCA13357095
show clock	show clock	ARISTANDCA13357279
show environment power	show environment power	ARISTANDCA13357279
show environment temperature	show environment temperature [[switch-card <slot-number>]	[[line-card <slot-number>] / [ma-card <slot-number>]]	ARISTANDCA13357279
show hosts	show hosts	ARISTANDCA13357279
show inventory	show inventory	ARISTANDCA13357279
show ip arp	show ip arp (referencing the IPv4 Routing Protocols guide)	ARISTANDCA13357887
show ip bgp	show ip bgp	ARISTANDCA13356947
show ip bgp community	show ip bgp community	ARISTANDCA13356947
show ip bgp neighbors	show ip bgp neighbors 10.3.66.161 routes advertised	ARISTANDCA13356947
show ip bgp summary	show ip bgp summary	ARISTANDCA13356947
show ip interface	show ip interface	ARISTANDCA13356947
show ip interface brief	Manual example shows: Router(config-if)# show ip interface brief	ARISTANDCA13357887
show ip ospf	show ip ospf border-routers (see index) show ip ospf database (see index) show ip ospf interface (see index) show ip ospf neighbors (see index) show ip ospf request-list (see index) show ip ospf route (see index) show ip ospf statistics (see index)	ARISTANDCA13357095
show ip ospf border-routers	show ip ospf border-routers (see index)	ARISTANDCA13357095
show ip ospf interface	show ip ospf interface (see index)	ARISTANDCA13357095
show ip ospf request-list	show ip ospf request-list (see index)	ARISTANDCA13357095
show ip route	show ip route	ARISTANDCA13356947
show ipv6 bgp	show ipv6 bgp [<A:B::C:D/LEN>] [<command>]	ARISTANDCA13357095
show ipv6 bgp neighbors	show ipv6 bgp neighbors	ARISTANDCA13357095
show ipv6 bgp summary	show ipv6 bgp summary	ARISTANDCA13357095
show ipv6 interface	show ipv6 interface [<interface>	<ipv6-address>]	ARISTANDCA13357095
show ipv6 route	show ipv6 route	ARISTANDCA13357095
show ipv6 route summary	show ipv6 route summary	ARISTANDCA13357095
show isis database	show isis database	ARISTANDCA13356947
show isis interface	show isis interface	ARISTANDCA13356947
show ntp associations	show ntp associations [detail]	ARISTANDCA13357279
show ntp status	show ntp status	ARISTANDCA13357279
show privilege	show privilege	ARISTANDCA13357279
show radius	show radius	ARISTANDCA13357279
show users	show users	ARISTANDCA13357279
show version	show version [all	<component>]	ARISTANDCA13357279
snmp-server community	[no] snmp-server community [0|3]<encrypted_password>]	ARISTANDCA13357279
snmp-server contact	[no] snmp-server contact <contact>	ARISTANDCA13357279
snmp-server enable traps	[no] snmp-server enable traps [bgp	chassis	ldp	ospf	snmp	te]	ARISTANDCA13357279
snmp-server host	[no] snmp-server host <host-address> <community>[bgp][chassis][snmp] [udp-port <1-65535>][version {1	2c}]	ARISTANDCA13357279
snmp-server location	[no] snmp-server location <location>	ARISTANDCA13357279
tacacs-server host	[no] tacacs-server host <ip-address> [key <secret-key>] [port <port>] [single-connection] [timeout <seconds>]	ARISTANDCA13357279
tacacs-server key	tacacs-server key [<encryption-method>] <key-string>	ARISTANDCA13357279
tacacs-server timeout	tacacs-server timeout <seconds>	ARISTANDCA13357279
terminal length	terminal length <lines>	ARISTANDCA13357279
terminal monitor	[no] terminal monitor	ARISTANDCA13357279

APPENDIX H.RB – Redback Usage of Disputed CLI Commands

Disputed Cisco Command	Redback Networks Command Syntax	Redback Manual Bates Number
aaa accounting	aaa accounting administrator tacacs+ // aaa accounting commands level tacacs+ [except except-level] // aaa accounting event {dhcp	reauthorization} // aaa accounting l2tp {session	tunnel} {none	radius} // aaa accounting reauthorization subscriber {none	radius} //aaa accounting subscriber {none	radius}	ARISTANDCA13359558
address-family	address-family ipv4 {multicast	unicast}	ARISTANDCA13361534
aggregate-address	aggregate-address {ip-addr/prefix-length	ipv6-addr/prefix-length} [as-set] [component-map map-name] [attribute-map map-name]	ARISTANDCA13361534
banner login	banner login delimited-text	ARISTANDCA13361534
banner motd	banner motd delimited-text	ARISTANDCA13358934
clear arp-cache	clear arp-cache [ip-addr]	ARISTANDCA13360216
clear ip mroute	clear ip mroute {group-addr [src-addr]}	*	ARISTANDCA13362362
clock set	clock set yyyy:mm:dd:hh:mm[:ss]	ARISTANDCA13359268
default-information originate (OSPF)	default-information originate [route-map map-name] (RIP only)	ARISTANDCA13361534
default-information originate (OSPFv3)	default-information originate [route-map map-name] (RIP only)	ARISTANDCA13361534
default-metric (OSPF)	default-metric metric	ARISTANDCA13361534
default-metric (OSPFv3)	default-metric metric	ARISTANDCA13361534
interface loopback	interface if-name [bridge	intercontext if-type grp-num	loopback	multibind [lastresort]	p2p]	ARISTANDCA13358934
ip access-group	ip access-group acl-name {in	out} [count] [log]	ARISTANDCA13359558
ip address	ip address ip-addr {netmask	/prefix-length} [secondary] [tag tag]	ARISTANDCA13358934
ip domain lookup	ip domain-lookup	ARISTANDCA13359558
ip domain-name	ip domain-name name	ARISTANDCA13359558
ip host	ip host hostname ip-addr	ARISTANDCA13359558
ip multicast boundary	ip multicast boundary acl-name	ARISTANDCA13361534
ip nat pool	ip nat pool pool-name [napt [multibind]]	ARISTANDCA13359558
ip pim rp-address	(in manual examples) ip pim rp-address 10.200.1.2	ARISTANDCA13361534
ip prefix-list	ip prefix-list pl-name	ARISTANDCA13361534
ip route	ip route ip-addr/prefix-length {next-hop-ip-addr	next-hop-if-name	null0	context ctx-name} [dvsr dvsr-profile-name [verify-address verify-addr]] [cost cost] [description text] [distance distance] [permanent] [tag tag]	ARISTANDCA13361534
ipv6 address	ipv6 address ip-addr/prefix-length [secondary]	ARISTANDCA13358934
ipv6 host	ipv6 host hostname ipv6-addr	ARISTANDCA13359558
ipv6 prefix-list	ipv6 prefix-list pl-name	ARISTANDCA13361534
ipv6 route	ipv6 route ipv6-addr/prefix-length {next-hop-ipv6-addr	next-hop-if-name	null0} [cost cost] [distance distance] [permanent] [tag tag]	ARISTANDCA13361534
isis passive-interface	(in manual examples) isis passive-interface	ARISTANDCA13361534
mac-address	mac-address mac-addr	ARISTANDCA13360544
maximum-paths	maximum-paths path-num	ARISTANDCA13361534
maximum-paths (OSPFv3)	maximum-paths path-num (RIP only)	ARISTANDCA13361534
passive-interface	passive-interface	ARISTANDCA13361534
passive-interface (OSPFv3)	passive-interface (IS-IS only)	ARISTANDCA13361534
route-map	route-map map-name {in	out}	ARISTANDCA13361534
router bgp	router bgp {asn	nn:nn}	ARISTANDCA13361534
router isis	router isis instance-name	ARISTANDCA13361534
router ospf	router ospf instance	ARISTANDCA13361534
router rip	router rip instance	ARISTANDCA13361534
router-id	router-id ip-addr	ARISTANDCA13361534
router-id (OSPFv3)	router-id ip-addr	ARISTANDCA13361534
set-overload-bit	set-overload-bit [on-startup [interval]	bgp-converge-delay [interval]	strict-bgp-tracking]	ARISTANDCA13361534
show clock	show clock [universal]	ARISTANDCA13359268
show ip interface	show ip interface [if-name	brief	xcrp [bytes]]	ARISTANDCA13359268
show ip interface brief	show ip interface [if-name	brief	xcrp [bytes]]	ARISTANDCA13359268
show ip mroute	show ip mroute [group-addr [src-addr]] [count]	ARISTANDCA13362362
show ip mroute count	show ip mroute [group-addr [src-addr]] [count]	ARISTANDCA13362362
show ip prefix-list	show ip prefix-list [pl-name	first-match pl-name ip-addr/prefix-length	summary [pl-name]]	ARISTANDCA13362362
show ip route	show ip route [ip-addr [/prefix-length [longer-prefixes	shorter-prefixes]] [detail]	ARISTANDCA13362362
show ip route summary	show ip route summary	ARISTANDCA13362362
show ipv6 interface	show ipv6 interface [if-name	brief]	ARISTANDCA13359268
show ipv6 prefix-list	show ipv6 prefix-list [pl-name	first-match pl-name ipv6-addr/prefix-length	summary [pl-name]]	ARISTANDCA13362362
show ipv6 route	show ipv6 route [ipv6-addr [/prefix-length [longer-prefixes	shorter-prefixes	detail]]	all	bgp	connected	hidden	multicast [ip-addr[/prefix-length]] [bgp] [next-hop] [rip] [static] [summary]	next-hop	registered	rip	static	summary	xcrp]	ARISTANDCA13362362
show ipv6 route summary	show ipv6 route [ipv6-addr [/prefix-length [longer-prefixes	shorter-prefixes	detail]]	all	bgp	connected	hidden	multicast [ip-addr[/prefix-length]] [bgp] [next-hop] [rip] [static] [summary]	next-hop	registered	rip	static	summary	xcrp]	ARISTANDCA13362362
show isis database	show isis [instance-name] database [detail	extensive] [level-1	level-2] {lsp-id	sys-id}	ARISTANDCA13362362
show isis topology	show isis [instance-name] [multicast] topology [l1	l2	level-1	level-2]	ARISTANDCA13362362

APPENDIX H.RB - Redback Usage of Disputed CLI Commands

show ntp associations	show ntp associations	ARISTANDCA13360216
show ntp status	show ntp status	ARISTANDCA13360216
show privilege	show privilege	ARISTANDCA13359268
show route-map	show route-map [map-name] [summary]	ARISTANDCA13362362
show snmp	show snmp [accesses | communities | server | targets | views]	ARISTANDCA13359268
show version	show version	ARISTANDCA13359268
show vrrp	show vrrp [debug | memory | routers [if-name | vrrp-id] | statistics [if-name | vrrp-id]]	ARISTANDCA13362362
spf-interval	spf interval seconds [level-1 | level-2]	ARISTANDCA13361534
terminal length	terminal length length	ARISTANDCA13359268
terminal monitor	terminal monitor	ARISTANDCA13359268
timers basic (RIP)	timers basic update-interval invalid-interval holddown-interval flush-interval	ARISTANDCA13361534

APPENDIX H.SU - ORACLE/SUN Usage of Disputed CLI Commands

Disputed Cisco Command	Sun/Oracle Command Syntax	Sun/Oracle Manual Bates Number
area default-cost	area <areaid> default-cost <1-16777215>	ARISTANDCA13363036
area nssa	area <areaid> nssa	ARISTANDCA13363036
area nssa default-information-originate	area <areaid> nssa default-info-originate [<metric>] [{comparable	non-comparable}]	ARISTANDCA13363036
area nssa no-summary	area <areaid> nssa no-summary	ARISTANDCA13363036
area range	area <areaid> range <ipaddr> <subnetmask> {summarylink	nssaexternallink} [advertise	not-advertise]	ARISTANDCA13363036
area stub	area <areaid> stub	ARISTANDCA13363036
arp timeout	arp timeout <15-21600>	ARISTANDCA13363036
channel-group	channel-group *1-65535* mode {on	active	passive}	ARISTANDCA13363443
clear arp-cache	clear arp-cache [gateway]	ARISTANDCA13363036
clear counters	clear counters {<slot/port>	all}	ARISTANDCA13363036
clear lldp counters	clear lldp counters	ARISTANDCA13363443
clear lldp table	clear lldp table	ARISTANDCA13363443
clock set	clock set hh:mm:ss *day_1-31* {january	february	march	april	may	june	july	august	september	october	november| december} *year_1970-2035*	ARISTANDCA13363443
default-information originate (OSPF)	default-information originate [always] [metric <0- 16777215>] [metric-type {1	2}]	ARISTANDCA13363036
default-metric (OSPF)	default-metric <1-16777215>	ARISTANDCA13363036
dot1x port-control	dot1x port-control {force-unauthorized	force- authorized	auto}	ARISTANDCA13363036
dot1x reauthentication	dot1x re-authentication	ARISTANDCA13363036
dot1x system-auth-control	dot1x system-auth-control	ARISTANDCA13363036
dot1x timeout quiet-period	dot1x timeout {{reauth-period <seconds>}	{quiet-period <seconds>}	{tx-period <seconds>}	{supp-timeout <seconds>}	{server-timeout <seconds>}}	ARISTANDCA13363036
dot1x timeout reauth-period	dot1x timeout {{reauth-period <seconds>}	{quiet-period <seconds>}	{tx-period <seconds>}	{supp-timeout <seconds>}	{server-timeout <seconds>}}	ARISTANDCA13363036
dot1x timeout tx-period	dot1x timeout {{reauth-period <seconds>}	{quiet-period <seconds>}	{tx-period <seconds>}	{supp-timeout <seconds>}	{server-timeout <seconds>}}	ARISTANDCA13363036
flowcontrol receive	flowcontrol {send	receive} {on	off}	ARISTANDCA13363443
flowcontrol send	flowcontrol {send	receive} {on	off}	ARISTANDCA13363443
ip access-group	ip access-group <accesslistnumber> <in	out>	ARISTANDCA13363036
ip access-list	ip access-list {standard access-list-number_1-10	extended access-list-number_11-512} no ip access-list {standard access-list-number_1-10	extended access-list-number_11-512}	ARISTANDCA13363443
ip address	ip address <ipaddr> <subnetmask>	ARISTANDCA13363036
ip helper-address	ip helper-address *ip-address*	ARISTANDCA13363443
ip igmp snooping	ip igmp snooping	ARISTANDCA13363443
ip igmp snooping querier	ip igmp snooping querier	ARISTANDCA13363443
ip igmp snooping vlan	ip igmp snooping vlan *1-4094* immediate-leave //ip igmp snooping vlan mrouter	ARISTANDCA13363443
ip ospf authentication	ip ospf authentication {none	{simple <key>}	{encrypt <key> <keyid>}}	ARISTANDCA13363036
ip ospf cost	ip ospf cost <1-5535>	ARISTANDCA13363036
ip ospf dead-interval	ip ospf dead-interval <1-2147483647>	ARISTANDCA13363036
ip ospf hello-interval	ip ospf hello-interval <1-65535>	ARISTANDCA13363036
ip ospf priority	ip ospf priority <0-255>	ARISTANDCA13363036
ip ospf retransmit-interval	ip ospf retransmit-interval <0-3600>	ARISTANDCA13363036
ip ospf transmit-delay	ip ospf transmit-delay <1-3600>	ARISTANDCA13363036
ip route	ip route <ip_addr> <subnet_mask> <nextHopRtr> [<preference>]	ARISTANDCA13363036
ip routing	ip routing	ARISTANDCA13363036
lacp port-priority	lacp port-priority *0-65535*	ARISTANDCA13363443
lacp rate	lacp rate {normal	fast }	ARISTANDCA13363443

APPENDIX H.SU - ORACLE/SUN Usage of Disputed CLI Commands

lacp system-priority	lacp system-priority *0-65535*	ARISTANDCA13363443
lldp receive	lldp {transmit | receive}	ARISTANDCA13363443
lldp transmit	lldp {transmit | receive}	ARISTANDCA13363443
mac-address-table aging-time	mac-address-table aging-time *10-1000000*	ARISTANDCA13363443
maximum-paths	maximum-paths *1-16*	ARISTANDCA13363443
route-map	route-map *name_1-20* [{permit | deny}] [*seqnum_1-10*]	ARISTANDCA13363443
router bgp	router bgp <1-65535>	ARISTANDCA13363036
router ospf	router ospf	ARISTANDCA13363036
router rip	router rip	ARISTANDCA13363036
router-id	router-id <ipaddress>	ARISTANDCA13363036
show arp	show arp switch	ARISTANDCA13363036
show clock	show clock	ARISTANDCA13363443
show dot1q-tunnel	show dot1q-tunnel	ARISTANDCA13363036
show dot1x	show dot1x [{summary {<slot/port> | all} | {detail <slot/port>} | {statistics <slot/port>}]	ARISTANDCA13363036
show dot1x statistics	show dot1x [{summary {<slot/port> | all} | {detail <slot/port>} | {statistics <slot/port>}]	ARISTANDCA13363036
show etherchannel	show etherchannel [[channel-group-number] {detail | load-balance | port | port-channel | summary | protocol}]	ARISTANDCA13363443
show interfaces	show interfaces [{[*interface-type interface-id*] [{description | storm-control | flowcontrol | capabilities | status}] | vlan *1-4094* | port-channel *1-65535* | tunnel *0-128* }]	ARISTANDCA13363443
show interfaces capabilities	show interfaces [{[*interface-type interface-id*] [{description | storm-control | flowcontrol | capabilities | status}] | vlan *1-4094* | port-channel *1-65535* | tunnel *0-128* }]	ARISTANDCA13363443
show interfaces description	show interfaces [{[*interface-type interface-id*] [{description | storm-control | flowcontrol | capabilities | status}] | vlan *1-4094* | port-channel *1-65535* | tunnel *0-128* }]	ARISTANDCA13363443
show interfaces flowcontrol	show interfaces [{[*interface-type interface-id*] [{description | storm-control | flowcontrol | capabilities | status}] | vlan *1-4094* | port-channel *1-65535* | tunnel *0-128* }]	ARISTANDCA13363443
show interfaces status	show interfaces [{[*interface-type interface-id*] [{description | storm-control | flowcontrol | capabilities | status}] | vlan *1-4094* | port-channel *1-65535* | tunnel *0-128* }]	ARISTANDCA13363443
show inventory	(shown as example in manual) show inventory	ARISTANDCA13363036
show ip access-lists	show ip access-lists <accesslistnumber>	ARISTANDCA13363036
show ip arp	show ip arp [{Vlan *1-4094* | *interface-type interface-id* | *ip-address* | *mac-address* | summary | information}]	ARISTANDCA13363443
show ip igmp snooping	show ip igmp snooping [Vlan *vlan-id*] [switch *switch-name*]	ARISTANDCA13363443
show ip igmp snooping groups	show ip igmp snooping groups [Vlan *vlan-id* [Group *address*]] [switch *switch-name*]	ARISTANDCA13363443
show ip igmp snooping mrouter	show ip igmp snooping mrouter [Vlan *vlan-index*] [redundancy] [detail] [switch *switch-name*]	ARISTANDCA13363443
show ip interface	show ip interface [Vlan *1-4094*] [*interface-type interface-id*] [loopback *0-100*]	ARISTANDCA13363443
show ip interface brief	show ip interface brief	ARISTANDCA13363036
show ip ospf	show ip ospf	ARISTANDCA13363036
show ip ospf interface	show ip ospf interface <slot/port>	ARISTANDCA13363036
show ip ospf neighbor	show ip ospf neighbor <ipaddr> <slot/port>	ARISTANDCA13363036
show ip route	show ip route	ARISTANDCA13363036
show ip route summary	show ip route [{*ip-address mask* | connected | ospf | rip | static | summary}]	ARISTANDCA13363443
show lacp counters	show lacp [*port-channel_1-65535*] {counters | neighbor [detail]}	ARISTANDCA13363443
show lacp neighbor	show lacp [*port-channel_1-65535*] {counters | neighbor [detail]}	ARISTANDCA13363443
show lldp	show lldp	ARISTANDCA13363443
show lldp neighbors	show lldp neighbors [chassis-id *string_255* port-id *string_255*] [*interface-type interface-id*] [detail]	ARISTANDCA13363443
show lldp traffic	show lldp traffic [*iftype ifnum*]	ARISTANDCA13363443
show mac-address-table	show mac-address-table [vlan *1-4094*] [address *aa:aa:aa:aa:aa:aa*] [interface *interface-type interface-id*]	ARISTANDCA13363443
show mac-address-table aging time	show mac-address-table aging-time [switch *switch-or-context-name*]	ARISTANDCA13363443
show mac-address-table count	show mac-address-table count [vlan *1-4094*] [switch *switch-or-context-name*]	ARISTANDCA13363443

APPENDIX H.SU - ORACLE/SUN Usage of Disputed CLI Commands

show monitor session	show monitor [session *1-10*] [detail]	ARISTANDCA13363443
show policy-map interface	show policy-map interface <slot/port> <in | out>	ARISTANDCA13363036
show privilege	show privilege	ARISTANDCA13363443
show radius	show radius [servers] // show radius accounting [statistics <ipaddr>]	ARISTANDCA13363036
show route-map	show route-map [name *1-20*]	ARISTANDCA13363443
show snmp	show snmp	ARISTANDCA13363443
show snmp community	show snmp community	ARISTANDCA13363443
show snmp engineID	show snmp engineID	ARISTANDCA13363443
show snmp group	⌨show snmp group // show snmp group access	ARISTANDCA13363443
show snmp user	show snmp user	ARISTANDCA13363443
show spanning-tree	show spanning-tree [{summary | blockedports | pathcost method}] [switch *context-name*]	ARISTANDCA13363443
show spanning-tree blockedports	show spanning-tree [{summary | blockedports | pathcost method}] [switch *context-name*]	ARISTANDCA13363443
show spanning-tree bridge	show spanning-tree bridge [{address | forward-time | hello-time | id | max-age | protocol | priority | detail}] [switch *context-name*]	ARISTANDCA13363443
show spanning-tree interface	show spanning-tree interface *interface-type interface-id* [{cost | priority | portfast | rootcost | restricted-role | restricted-tcn | state | stats | detail}]	ARISTANDCA13363443
show spanning-tree mst	spanning-tree mst *instance-id_1-64* {cost *1-200000000* | port-priority *0-240* | disable}	ARISTANDCA13363443
show spanning-tree mst configuration	show spanning-tree mst configuration [switch *context-name*]	ARISTANDCA13363443
show spanning-tree root	show spanning-tree root [{address | cost | forward-time | id | max-age | port | priority | detail }] [switch *context-name*]	ARISTANDCA13363443
show storm-control	show storm-control	ARISTANDCA13363036
show track	show track [object-number]	ARISTANDCA13363036
show users	show users	ARISTANDCA13363036
show vlan	show vlan <vlanid>	ARISTANDCA13363036
show vlan summary	show vlan [brief | id *vlan-range* | summary] [switch *context-name*]	ARISTANDCA13363443
snmp-server community	snmp community index *CommunityIndex* name *CommunityName* security SecurityName [context *ContextName*] [{volatile | nonvolatile}] [transporttag *TransportTagIdentifier* | *none*] [contextengineid *ContextEngineID*]	ARISTANDCA13363443
snmp-server enable traps	snmp-server enable traps {[firewall-limit] [linkup] [linkdown] [coldstart]} // snmp-server enable traps snmp authentication	ARISTANDCA13363443
spanning-tree bpdufilter	spanning-tree bpdufilter {disable | enable}	ARISTANDCA13363443
spanning-tree bpduguard	spanning-tree bpduguard {disable | enable}	ARISTANDCA13363443
spanning-tree cost	spanning-tree {cost *0-200000000* | disable | link-type {point-to-point | shared} | portfast | port-priority *0-240* }	ARISTANDCA13363443
spanning-tree guard	spanning-tree guard {root | none | loop}	ARISTANDCA13363443
spanning-tree link-type	spanning-tree {cost *0-200000000* | disable | link-type {point-to-point | shared} | portfast | port-priority *0-240* }	ARISTANDCA13363443
spanning-tree mode	spanning-tree mode {mst | rst}	ARISTANDCA13363443
spanning-tree mst configuration	show spanning-tree mst configuration [switch *context-name*]	ARISTANDCA13363443
spanning-tree port-priority	spanning-tree {cost *0-200000000* | disable | link-type {point-to-point | shared} | portfast | port-priority *0-240* }	ARISTANDCA13363443
spanning-tree transmit hold-count	spanning-tree transmit hold-count *1-10*	ARISTANDCA13363443
spanning-tree vlan	spanning-tree vlan *1-4094* {forward-time *4-30* | hello-time *1-10* | max-age *6-40* | hold-count *1-10* | brg-priority *0-61440* | root {primary | secondary}}	ARISTANDCA13363443
storm-control	storm-control {broadcast | multicast | dlf} level Mbps_1-10000	ARISTANDCA13363443
switchport access vlan	switchport access vlan *1-4094*	ARISTANDCA13363443
switchport mode	switchport mode { access | trunk | hybrid | {dynamic {auto | desirable}}}	ARISTANDCA13363443

APPENDIX I - OVERLAPPING DELL AND CISCO CLI COMMANDS

1.	`aaa accounting suppress null-username`
2.	`aaa authorization commands level default`
3.	`aaa authorization config-commands`
4.	`aaa authorization exec default`
5.	`aaa authorization exec default local`
6.	`aaa authorization exec default none`
7.	`aaa new-model`
8.	`aaa server radius dynamic-author`
9.	`abort`
10.	`absolute`
11.	`absolute end time date`
12.	`absolute start time date`
13.	`absolute start time date end time date`
14.	`accounting commands default`
15.	`accounting commands list-name`
16.	`accounting exec default`
17.	`accounting exec list-name`
18.	`address family ipv6`
19.	`address-family`
20.	`address-family ipv4 multicast`
21.	`adjacency-check`
22.	`archive`
23.	`archive config`
24.	`area area-id default-cost cost`
25.	`area area-id nssa`
26.	`area area-id nssa default-information-originate`
27.	`area area-id nssa default-information-originate no-redistribution`
28.	`area area-id nssa default-information-originate no-redistribution no-summary`
29.	`area area-id nssa default-information-originate no-summary`
30.	`area area-id nssa no-redistribution`
31.	`area area-id nssa no-redistribution no-summary`
32.	`area area-id nssa no-summary`
33.	`area area-id stub`
34.	`area area-id stub no-summary`
35.	`area area-id virtual-link router-id`
36.	`area area-id virtual-link router-id dead-interval seconds`
37.	`area area-id virtual-link router-id hello-interval seconds`
38.	`area area-id virtual-link router-id hello-interval seconds retransmit-interval seconds`
39.	`area area-id virtual-link router-id hello-interval seconds retransmit-interval seconds transmit-delay seconds`
40.	`area area-id virtual-link router-id hello-interval seconds transmit-delay seconds`
41.	`area area-id virtual-link router-id retransmit-interval seconds`
42.	`area area-id virtual-link router-id retransmit-interval seconds transmit-delay seconds`
43.	`area area-id virtual-link router-id transmit-delay seconds`
44.	`area-password password`

APPENDIX I - OVERLAPPING DELL AND CISCO CLI COMMANDS

45.	arp access-list acl-name
46.	arp timeout seconds
47.	auto-cost
48.	auto-summary
49.	autobaud
50.	bfd echo
51.	bfd interval
52.	bgp always-compare-med
53.	bgp bestpath as-path ignore
54.	bgp bestpath med confed
55.	bgp client-to-client reflection
56.	bgp cluster-id cluster-id
57.	bgp dampening
58.	bgp dampening half-life reuse suppress max-suppress-time
59.	bgp dampening route-map map-name
60.	bgp default local-preference number
61.	bgp enforce-first-as
62.	bgp fast-external-fallover
63.	bgp graceful-restart
64.	bgp graceful-restart restart-time seconds
65.	bgp log-neighbor-changes
66.	bgp router-id ip-address
67.	bgp soft-reconfig-backup
68.	boot auto-copy-sw
69.	bootfile filename
70.	call-home
71.	cd directory
72.	class-map match-all class-map-name
73.	class-map match-any class-map-name
74.	clear arp-cache
75.	clear counters
76.	clear counters interface
77.	clear ethernet cfm traceroute-cache
78.	clear gvrp statistics
79.	clear host
80.	clear ip arp inspection statistics
81.	clear ip bgp
82.	clear ip bgp ANY
83.	clear ip bgp dampening
84.	clear ip bgp flap-statistics
85.	clear ip bgp peer-group peer-group-name
86.	clear ip dhcp binding
87.	clear ip dhcp binding address
88.	clear ip dhcp conflict
89.	clear ip dhcp conflict address
90.	clear ip dhcp server statistics
91.	clear ip dhcp snooping binding
92.	clear ip dhcp snooping statistics
93.	clear ip igmp groups

APPENDIX I - OVERLAPPING DELL AND CISCO CLI COMMANDS

94.	clear ip mroute
95.	clear ip mroute ANY
96.	clear ip msdp sa-cache
97.	clear ip ospf
98.	clear ip ospf neighbor
99.	clear ip ospf redistribution
100.	clear ip ospf redistribution vrf vrf-name
101.	clear ip prefix-list
102.	clear ip route
103.	clear ip route ANY
104.	clear ipv6 mld groups
105.	clear ipv6 mroute
106.	clear ipv6 neighbors
107.	clear ipv6 ospf process
108.	clear ipv6 prefix-list
109.	clear ipv6 route
110.	clear isis traffic
111.	clear lldp counters
112.	clear logging
113.	clear mvrp statistics
114.	clear spanning-tree detected-protocols
115.	clear tcp statistics
116.	clear vpc statistics peer-keepalive
117.	clear vpc statistics peer-link
118.	client-identifier unique-identifier
119.	client-name name
120.	clock read-calendar
121.	clock update-calendar
122.	compatible rfc1583
123.	configuration mode exclusive auto
124.	configuration mode exclusive manual
125.	configure
126.	configure confirm
127.	configure terminal
128.	configure terminal lock
129.	continue
130.	continue sequence-number
131.	control-plane
132.	copy source-url destination-url
133.	crypto key generate dsa
134.	crypto key generate rsa
135.	crypto key zeroize dsa
136.	crypto key zeroize rsa
137.	dampening
138.	debug bfd event
139.	debug bfd packet
140.	debug dot1x
141.	debug dot1x all
142.	debug dot1x errors

APPENDIX I - OVERLAPPING DELL AND CISCO CLI COMMANDS

143.	debug dot1x packets
144.	debug dot1x state-machine
145.	debug ipv6 mld group-address
146.	debug ipv6 ospf packet
147.	debug lacp
148.	debug lacp packet
149.	debug ntp adjust
150.	debug ntp all
151.	debug ntp authentication
152.	debug ntp events
153.	debug ntp loopfilter
154.	debug ntp select
155.	debug ntp sync
156.	debug ospfv3 packet
157.	debug spanning-tree bpdu
158.	debug spanning-tree bpdu receive
159.	debug spanning-tree bpdu transmit
160.	debug spanning-tree mstp
161.	debug spanning-tree mstp all
162.	debug udld events
163.	default-information originate
164.	default-information originate always
165.	default-information originate always route-map map-name
166.	default-information originate metric metric-value
167.	default-information originate metric-type type-value
168.	default-information originate route-map map-name
169.	default-metric number
170.	delay
171.	delay down seconds
172.	delay up seconds
173.	deny
174.	deny any any
175.	description description
176.	description line
177.	description string
178.	description text
179.	dir
180.	dir file-url
181.	disable
182.	disable privilege-level
183.	distance bgp external-distance internal-distance local-distance
184.	distance distance
185.	distance ospf
186.	distance ospf external distance
187.	distance ospf inter-area distance
188.	distance ospf intra-area distance
189.	distance weight
190.	dns-server ipv6-address
191.	do command

APPENDIX I - OVERLAPPING DELL AND CISCO CLI COMMANDS

192.	domain-name domain
193.	domain-password password
194.	dot1x guest-vlan vlan-id
195.	dot1x host-mode multi-host
196.	dot1x host-mode single-host
197.	dot1x initialize
198.	dot1x initialize interface interface-id
199.	dot1x mac-auth-bypass
200.	dot1x max-req count
201.	dot1x multiple-hosts
202.	dot1x port-control auto
203.	dot1x port-control force-authorized
204.	dot1x port-control force-unauthorized
205.	dot1x re-authentication
206.	dot1x reauthentication
207.	dot1x system-auth-control
208.	dot1x timeout quiet-period seconds
209.	dot1x timeout re-authperiod seconds
210.	dot1x timeout reauth-period seconds
211.	dot1x timeout server-timeout seconds
212.	dot1x timeout supp-timeout seconds
213.	dot1x timeout tx-period seconds
214.	down-when-looped
215.	drop
216.	duplex auto
217.	duplex full
218.	duplex half
219.	enable
220.	enable level
221.	enable privilege-level
222.	enable secret password
223.	end
224.	erase startup-config
225.	ethernet oam
226.	ethernet oam link-monitor frame threshold high none
227.	ethernet oam link-monitor frame-seconds threshold high none
228.	ethernet oam link-monitor high-threshold action error-disable-interface
229.	ethernet oam link-monitor on
230.	ethernet oam link-monitor supported
231.	ethernet oam link-monitor symbol-period threshold high none
232.	ethernet oam mode active
233.	ethernet oam mode passive
234.	ethernet oam remote-loopback supported
235.	ethernet oam remote-loopback timeout seconds
236.	exception protocol ftp
237.	exception protocol tftp
238.	exec-timeout minutes
239.	exec-timeout minutes seconds
240.	exit

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241.	feature bfd
242.	feature vpc
243.	flowcontrol receive off
244.	flowcontrol receive on
245.	graceful-restart grace-period seconds
246.	gvrp registration fixed
247.	gvrp registration forbidden
248.	gvrp registration normal
249.	hardware-address hardware-address
250.	hello padding
251.	help
252.	history
253.	hold-time seconds
254.	host address
255.	host address mask
256.	hostname
257.	hostname dynamic
258.	hostname name
259.	id
260.	instance instance-id
261.	interface
262.	interface loopback 0
263.	interface loopback number
264.	interface port-channel channel-number
265.	interface port-channel port-channel-number
266.	interface range macro name
267.	interface range port-range
268.	interface vlan vlan-id
269.	ip access-group access-list-name in
270.	ip access-group access-list-name out
271.	ip access-group name in
272.	ip access-group name out
273.	ip address dhcp
274.	ip address ip-address mask
275.	ip address ip-address mask secondary
276.	ip address ip-address subnet-mask
277.	ip address ip-address subnet-mask secondary
278.	ip arp inspection limit none
279.	ip arp inspection limit rate pps
280.	ip arp inspection limit rate pps burst interval seconds
281.	ip arp inspection trust
282.	ip arp inspection validate
283.	ip arp inspection validate dst-mac
284.	ip arp inspection validate dst-mac ip
285.	ip arp inspection validate ip
286.	ip arp inspection validate src-mac
287.	ip arp inspection validate src-mac dst-mac
288.	ip arp inspection validate src-mac dst-mac ip
289.	ip arp inspection validate src-mac ip

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290.	ip arp inspection vlan vlan-range
291.	ip bgp fast-external-fallover deny
292.	ip bgp fast-external-fallover permit
293.	ip bgp-community new-format
294.	ip default-gateway ip-address
295.	ip dhcp bootp ignore
296.	ip dhcp conflict logging
297.	ip dhcp pool
298.	ip dhcp pool name
299.	ip dhcp relay information check
300.	ip dhcp relay information check-reply
301.	ip dhcp relay information check-reply none
302.	ip dhcp relay information option
303.	ip dhcp relay information option-insert
304.	ip dhcp relay information option-insert none
305.	ip dhcp relay information policy
306.	ip dhcp snooping
307.	ip dhcp snooping database write-delay seconds
308.	ip dhcp snooping limit rate rate
309.	ip dhcp snooping trust
310.	ip dhcp snooping verify mac-address
311.	ip directed-broadcast
312.	ip domain-lookup
313.	ip ftp password password
314.	ip ftp username username
315.	ip http secure-server
316.	ip http server
317.	ip igmp immediate-leave
318.	ip igmp last-member-query-count count
319.	ip igmp mroute-proxy
320.	ip igmp proxy-service
321.	ip igmp snooping
322.	ip igmp snooping fast-leave
323.	ip igmp snooping mrouter interface
324.	ip igmp snooping querier
325.	ip igmp snooping vlan vlan-id
326.	ip igmp snooping vlan vlan-id immediate-leave
327.	ip igmp snooping vlan vlan-id last-member-query-interval time
328.	ip igmp snooping vlan vlan-id mrouter interface interface-id
329.	ip igmp startup-query-count count
330.	ip igmp startup-query-interval interval
331.	ip igmp static-group
332.	ip igmp version version
333.	ip irdp
334.	ip irdp multicast
335.	ip local-proxy-arp
336.	ip msdp redistribute
337.	ip multicast-routing
338.	ip name-server ip-address

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339.	ip ospf cost interface-cost
340.	ip ospf database-filter all out
341.	ip ospf dead-interval seconds
342.	ip ospf hello-interval seconds
343.	ip ospf mtu-ignore
344.	ip ospf network broadcast
345.	ip ospf network point-to-point
346.	ip ospf priority number-value
347.	ip ospf retransmit-interval seconds
348.	ip ospf transmit-delay seconds
349.	ip pim
350.	ip pim bsr-border
351.	ip pim dr-priority priority
352.	ip pim hello-interval interval
353.	ip pim sparse-mode
354.	ip policy route-map map-tag
355.	ip prefix-list list-name description text
356.	ip proxy-arp
357.	ip radius source-interface interface
358.	ip redirects
359.	ip rip receive version
360.	ip rip receive version 1
361.	ip rip receive version 1 2
362.	ip rip receive version 2
363.	ip rip send version
364.	ip rip send version 1
365.	ip rip send version 1 2
366.	ip rip send version 2
367.	ip router isis
368.	ip routing
369.	ip source-route
370.	ip split-horizon
371.	ip tacacs source-interface interface
372.	ip telnet source-interface interface
373.	ip unreachables
374.	ip vrf vrf-name
375.	ip-address
376.	ipv6 access-list access-list-name
377.	ipv6 address autoconfig
378.	ipv6 address dhcp
379.	ipv6 enable
380.	ipv6 mld explicit-tracking
381.	ipv6 mld host-proxy
382.	ipv6 mld query-interval seconds
383.	ipv6 mld snooping
384.	ipv6 mld snooping explicit-tracking
385.	ipv6 mld snooping querier
386.	ipv6 mld snooping vlan vlan-id
387.	ipv6 mld snooping vlan vlan-id immediate-leave

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388.	`ipv6 multicast-routing`
389.	`ipv6 nd dad attempts value`
390.	`ipv6 nd managed-config-flag`
391.	`ipv6 nd ns-interval milliseconds`
392.	`ipv6 nd other-config-flag`
393.	`ipv6 nd prefix default`
394.	`ipv6 nd prefix default no-advertise`
395.	`ipv6 nd prefix ipv6-prefix/prefix-length`
396.	`ipv6 nd ra-lifetime seconds`
397.	`ipv6 nd raguard attach-policy`
398.	`ipv6 nd reachable-time milliseconds`
399.	`ipv6 nd suppress-ra`
400.	`ipv6 ospf authentication null`
401.	`ipv6 ospf dead-interval seconds`
402.	`ipv6 ospf encryption null`
403.	`ipv6 ospf hello-interval seconds`
404.	`ipv6 ospf mtu-ignore`
405.	`ipv6 ospf network broadcast`
406.	`ipv6 ospf network point-to-point`
407.	`ipv6 ospf priority number-value`
408.	`ipv6 ospf process-id area area-id`
409.	`ipv6 ospf retransmit-interval seconds`
410.	`ipv6 ospf transmit-delay seconds`
411.	`ipv6 pim`
412.	`ipv6 pim dr-priority priority`
413.	`ipv6 pim hello-interval interval`
414.	`ipv6 pim sparse-mode`
415.	`ipv6 pim spt-threshold infinity`
416.	`ipv6 prefix-list list-name deny ipv6-prefix/prefix-length`
417.	`ipv6 prefix-list list-name deny ipv6-prefix/prefix-length ge ge-value`
418.	`ipv6 prefix-list list-name deny ipv6-prefix/prefix-length ge ge-value le le-value`
419.	`ipv6 prefix-list list-name deny ipv6-prefix/prefix-length le le-value`
420.	`ipv6 prefix-list list-name description text`
421.	`ipv6 prefix-list list-name seq seq-number deny ipv6-prefix/prefix-length`
422.	`ipv6 prefix-list list-name seq seq-number deny ipv6-prefix/prefix-length ge ge-value`
423.	`ipv6 prefix-list list-name seq seq-number deny ipv6-prefix/prefix-length ge ge-value le le-value`
424.	`ipv6 prefix-list list-name seq seq-number deny ipv6-prefix/prefix-length le le-value`
425.	`ipv6 route ipv6-prefix/prefix-length ipv6-address`
426.	`ipv6 router isis`
427.	`ipv6 router ospf`
428.	`ipv6 router ospf process-id`
429.	`ipv6 unicast-routing`
430.	`ipv6 unreachables`
431.	`is-type level-1`

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432.	is-type level-1-2
433.	is-type level-2-only
434.	isis circuit-type level-1
435.	isis circuit-type level-1-2
436.	isis circuit-type level-2-only
437.	isis csnp-interval seconds
438.	isis csnp-interval seconds level-1
439.	isis csnp-interval seconds level-2
440.	isis hello padding
441.	isis hello-interval seconds
442.	isis hello-interval seconds level-1
443.	isis hello-interval seconds level-2
444.	isis hello-multiplier multiplier
445.	isis hello-multiplier multiplier level-1
446.	isis hello-multiplier multiplier level-2
447.	isis network point-to-point
448.	isis password password
449.	isis password password level-1
450.	isis password password level-2
451.	keepalive
452.	key
453.	key key-string
454.	lease
455.	lease days
456.	lease days hours
457.	lease days hours minutes
458.	lease infinite
459.	line aux 0
460.	line console
461.	line console 0
462.	link debounce
463.	lldp receive
464.	lldp timer seconds
465.	lldp transmit
466.	load-balance
467.	log
468.	log-adjacency-changes
469.	logging console
470.	logging monitor
471.	logging source-interface interface
472.	logging synchronous
473.	logging synchronous all
474.	login authentication default
475.	login authentication list-name
476.	logout
477.	loopback line
478.	lsp-gen-interval seconds
479.	lsp-refresh-interval seconds
480.	mac access-group access-list-name in

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481.	mac access-group name in
482.	mac access-list extended name
483.	mac address-table aging-time 0
484.	mac address-table aging-time 10-1000000
485.	mac address-table static mac-addr vlan vlan-id interface interface-id
486.	mac-address mac-address
487.	mac-address-table aging-time seconds
488.	match any
489.	match community community-list-name
490.	match community community-list-name exact
491.	match ip address access-list-name
492.	match ip address access-list-name access-list-name
493.	match ip dscp dscp-list
494.	match ipv6 next-hop prefix-list prefix-list-name
495.	match ipv6 route-source prefix-list prefix-list-name
496.	match metric metric-value
497.	match protocol protocol-name
498.	match route-type external
499.	match route-type external type-1
500.	match route-type external type-2
501.	match route-type internal
502.	match route-type level-1
503.	match route-type level-2
504.	match route-type local
505.	match tag tag-value
506.	max-area-addresses number
507.	max-metric router-lsa
508.	max-metric router-lsa on-startup seconds
509.	max-metric router-lsa on-startup wait-for-bgp
510.	maximum number
511.	mdix auto
512.	metric-style transition
513.	metric-style wide
514.	metric-style wide level-1
515.	metric-style wide level-2
516.	metric-style wide transition
517.	metric-style wide transition level-1
518.	metric-style wide transition level-2
519.	monitor capture start
520.	motd-banner
521.	mrinfo
522.	multi-topology
523.	multi-topology transition
524.	mvr
525.	mvr immediate
526.	mvr mode compatible
527.	mvr mode dynamic
528.	mvr type receiver
529.	mvr type source

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530.	mvr vlan vlan-id
531.	mvrp global
532.	name vlan-name
533.	negotiation
534.	neighbor activate
535.	neighbor ip-address
536.	neighbor ip-address activate
537.	neighbor ip-address advertisement-interval seconds
538.	neighbor ip-address bfd
539.	neighbor ip-address default-originate
540.	neighbor ip-address default-originate route-map map-name
541.	neighbor ip-address description text
542.	neighbor ip-address ebgp-multihop
543.	neighbor ip-address ebgp-multihop ttl
544.	neighbor ip-address maximum-prefix maximum
545.	neighbor ip-address maximum-prefix maximum threshold
546.	neighbor ip-address maximum-prefix maximum threshold warning-only
547.	neighbor ip-address maximum-prefix maximum warning-only
548.	neighbor ip-address next-hop-self
549.	neighbor ip-address password string
550.	neighbor ip-address peer-group peer-group-name
551.	neighbor ip-address prefix-list prefix-list-name in
552.	neighbor ip-address prefix-list prefix-list-name out
553.	neighbor ip-address remove-private-as
554.	neighbor ip-address remove-private-as all replace-as
555.	neighbor ip-address route-map map-name in
556.	neighbor ip-address route-map map-name out
557.	neighbor ip-address route-reflector-client
558.	neighbor ip-address send-community
559.	neighbor ip-address timers keepalive holdtime
560.	neighbor ipv6-address ebgp-multihop
561.	neighbor ipv6-address ebgp-multihop ttl
562.	neighbor ipv6-address fall-over
563.	neighbor ipv6-address peer-group peer-group-name
564.	neighbor ipv6-address route-map map-name in
565.	neighbor ipv6-address route-map map-name out
566.	neighbor ipv6-address route-reflector-client
567.	neighbor ipv6-address send-community
568.	neighbor peer-group-name activate
569.	neighbor peer-group-name advertisement-interval seconds
570.	neighbor peer-group-name default-originate
571.	neighbor peer-group-name default-originate route-map map-name
572.	neighbor peer-group-name description text
573.	neighbor peer-group-name ebgp-multihop
574.	neighbor peer-group-name ebgp-multihop ttl
575.	neighbor peer-group-name maximum-prefix maximum
576.	neighbor peer-group-name maximum-prefix maximum threshold
577.	neighbor peer-group-name maximum-prefix maximum threshold warning-only
578.	neighbor peer-group-name maximum-prefix maximum warning-only

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579.	neighbor peer-group-name next-hop-self
580.	neighbor peer-group-name peer-group
581.	neighbor peer-group-name remove-private-as
582.	neighbor peer-group-name route-map map-name in
583.	neighbor peer-group-name route-map map-name out
584.	neighbor peer-group-name route-reflector-client
585.	neighbor peer-group-name send-community
586.	neighbor peer-group-name soft-reconfiguration inbound
587.	netbios-name-server address
588.	netbios-name-server address address2 address8
589.	netbios-node-type type
590.	network ip-address
591.	network ip-address wildcard-mask area area-id
592.	network network-number
593.	next-server address
594.	no aaa authentication dot1x default
595.	no aaa authorization commands default
596.	no aaa authorization commands list-name
597.	no aaa authorization exec default
598.	no aaa authorization exec list-name
599.	no aaa authorization network default
600.	no aaa authorization network list-name
601.	no absolute
602.	no address-family ipv4
603.	no address-family ipv6
604.	no area area-id nssa no-summary
605.	no area area-id stub
606.	no area area-id stub no-summary
607.	no area area-id virtual-link router-id
608.	no arp access-list acl-name
609.	no arp timeout
610.	no authentication order
611.	no authorization commands
612.	no authorization exec
613.	no autobaud
614.	no banner exec
615.	no banner login
616.	no banner motd
617.	no bfd echo
618.	no bfd interval
619.	no bgp client-to-client reflection
620.	no bgp fast-external-fallover
621.	no bgp log-neighbor-changes
622.	no bgp maxas-limit
623.	no bgp router-id
624.	no boot auto-copy-sw
625.	no bootfile
626.	no channel-group
627.	no class-map match-all class-map-name

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628.	no client-identifier
629.	no client-name
630.	no clock summer-time
631.	no clock timezone
632.	no compatible rfc1583
633.	no debug bfd event
634.	no debug bfd packet
635.	no debug lacp packet
636.	no debug ospfv3 packet
637.	no debug spanning-tree bpdu
638.	no debug spanning-tree bpdu receive
639.	no debug spanning-tree bpdu transmit
640.	no debug udld events
641.	no default-information originate
642.	no default-metric
643.	no default-router
644.	no description
645.	no description line
646.	no distance bgp
647.	no distance distance
648.	no distance ospf external distance
649.	no distance ospf inter-area distance
650.	no distance ospf intra-area distance
651.	no distribute-list prefix list-name in
652.	no distribute-list prefix list-name out
653.	no distribute-list prefix list-name out connected
654.	no distribute-list prefix list-name out static
655.	no dns-server
656.	no dns-server ipv6-address
657.	no dot1x guest-vlan
658.	no dot1x mac-auth-bypass
659.	no dot1x max-req
660.	no dot1x port-control
661.	no dot1x re-authentication
662.	no dot1x reauthentication
663.	no dot1x system-auth-control
664.	no dot1x timeout quiet-period
665.	no dot1x timeout re-authperiod
666.	no dot1x timeout reauth-period
667.	no dot1x timeout server-timeout
668.	no dot1x timeout supp-timeout
669.	no dot1x timeout tx-period
670.	no duplex
671.	no enable
672.	no exception core-file
673.	no exception protocol
674.	no exec-banner
675.	no exec-timeout
676.	no feature bfd

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677.	no feature vpc
678.	no flowcontrol receive
679.	no group
680.	no hardware-address
681.	no history
682.	no history size
683.	no host
684.	no hostname
685.	no interface vlan vlan-id
686.	no ip address
687.	no ip address dhcp
688.	no ip address ip-address subnet-mask
689.	no ip address ip-address subnet-mask secondary
690.	no ip arp inspection limit
691.	no ip arp inspection trust
692.	no ip arp inspection validate
693.	no ip arp inspection validate dst-mac
694.	no ip arp inspection validate dst-mac ip
695.	no ip arp inspection validate ip
696.	no ip arp inspection validate src-mac
697.	no ip arp inspection validate src-mac dst-mac
698.	no ip arp inspection validate src-mac dst-mac ip
699.	no ip arp inspection validate src-mac ip
700.	no ip arp inspection vlan vlan-range
701.	no ip bgp fast-external-fallover
702.	no ip bgp-community new-format
703.	no ip default-gateway ip-address
704.	no ip dhcp conflict logging
705.	no ip dhcp relay information check
706.	no ip dhcp relay information check-reply
707.	no ip dhcp relay information option
708.	no ip dhcp relay information option-insert
709.	no ip dhcp snooping
710.	no ip dhcp snooping database write-delay
711.	no ip dhcp snooping trust
712.	no ip dhcp snooping verify mac-address
713.	no ip domain-lookup
714.	no ip http server
715.	no ip igmp last-member-query-count
716.	no ip igmp query-interval
717.	no ip igmp query-max-response-time
718.	no ip igmp snooping
719.	no ip igmp snooping querier
720.	no ip igmp snooping vlan vlan-id
721.	no ip igmp snooping vlan vlan-id immediate-leave
722.	no ip igmp startup-query-count
723.	no ip igmp startup-query-interval
724.	no ip igmp version version
725.	no ip irdp

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726.	no ip local-proxy-arp
727.	no ip ospf authentication
728.	no ip ospf database-filter all out
729.	no ip ospf dead-interval
730.	no ip ospf hello-interval
731.	no ip ospf mtu-ignore
732.	no ip ospf network
733.	no ip ospf retransmit-interval
734.	no ip ospf transmit-delay
735.	no ip pim
736.	no ip pim hello-interval
737.	no ip prefix-list list-name description
738.	no ip proxy-arp
739.	no ip redirects
740.	no ip rip receive version
741.	no ip rip send version
742.	no ip routing
743.	no ip unnumbered
744.	no ip unreachables
745.	no ip vrf vrf-name
746.	no ipv6 address
747.	no ipv6 address autoconfig
748.	no ipv6 address dhcp
749.	no ipv6 enable
750.	no ipv6 host name
751.	no ipv6 icmp error-interval
752.	no ipv6 mld host-proxy
753.	no ipv6 mld last-member-query-count
754.	no ipv6 mld query-interval
755.	no ipv6 mld query-max-response-time
756.	no ipv6 mld snooping vlan vlan-id last-listener-query-interval
757.	no ipv6 nd managed-config-flag
758.	no ipv6 nd ns-interval
759.	no ipv6 nd other-config-flag
760.	no ipv6 nd prefix ipv6-prefix/prefix-length
761.	no ipv6 nd ra-interval
762.	no ipv6 nd ra-lifetime
763.	no ipv6 nd reachable-time
764.	no ipv6 nd suppress-ra
765.	no ipv6 ospf cost
766.	no ipv6 ospf dead-interval
767.	no ipv6 ospf hello-interval
768.	no ipv6 ospf mtu-ignore
769.	no ipv6 ospf network
770.	no ipv6 ospf retransmit-interval
771.	no ipv6 ospf transmit-delay
772.	no ipv6 pim
773.	no ipv6 pim dr-priority
774.	no ipv6 pim hello-interval

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775.	no ipv6 prefix-list list-name
776.	no ipv6 unicast-routing
777.	no ipv6 unreachables
778.	no lacp port-priority
779.	no lacp system-priority
780.	no lease
781.	no lldp receive
782.	no lldp timer
783.	no lldp transmit
784.	no load-interval
785.	no log-adjacency-changes
786.	no log-adjacency-changes detail
787.	no logging
788.	no logging console
789.	no logging monitor
790.	no login authentication
791.	no mac access-group name
792.	no mac access-list extended name
793.	no mac address-table aging-time
794.	no match ip address access-list-name
795.	no max-metric router-lsa
796.	no max-metric router-lsa summary-lsa
797.	no maximum routes
798.	no maximum-paths
799.	no mdix
800.	no memory free low-watermark
801.	no motd-banner
802.	no mvr
803.	no mvr immediate
804.	no mvr mode
805.	no mvrp global
806.	no name
807.	no neighbor ip-address activate
808.	no neighbor ip-address description
809.	no neighbor ip-address maximum-prefix
810.	no neighbor ip-address next-hop-self
811.	no neighbor ip-address password
812.	no neighbor ip-address prefix-list prefix-list-name in
813.	no neighbor ip-address prefix-list prefix-list-name out
814.	no neighbor ip-address remove-private-as
815.	no neighbor ip-address route-map map-name in
816.	no neighbor ip-address route-map map-name out
817.	no neighbor ip-address route-reflector-client
818.	no neighbor ip-address send-community
819.	no neighbor ip-address timers
820.	no neighbor ipv6-address route-map map-name in
821.	no neighbor ipv6-address route-map map-name out
822.	no neighbor ipv6-address route-reflector-client
823.	no neighbor ipv6-address send-community

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824.	no netbios-name-server
825.	no netbios-node-type
826.	no network ip-address wildcard-mask area area-id
827.	no nsf
828.	no nsf ietf
829.	no nsf ietf helper
830.	no nsf ietf helper strict-lsa-checking
831.	no nsf ietf restart-interval
832.	no option code
833.	no passive-interface default
834.	no password
835.	no port
836.	no port-channel load-balance
837.	no private-vlan
838.	no private-vlan association
839.	no radius-server deadtime
840.	no radius-server host ip-address
841.	no radius-server key
842.	no radius-server retransmit
843.	no radius-server timeout
844.	no random-detect exponential-weighting-constant
845.	no redistribute connected
846.	no redistribute connected subnets
847.	no redistribute protocol
848.	no redistribute static
849.	no redistribute static route-map map-tag
850.	no remote-span
851.	no revision
852.	no role priority
853.	no route-map map-tag
854.	no route-map map-tag deny
855.	no route-map map-tag deny sequence-number
856.	no route-map map-tag permit
857.	no route-map map-tag permit sequence-number
858.	no route-map map-tag sequence-number
859.	no router bgp as-number
860.	no rule number
861.	no service dhcp
862.	no set as-path prepend as-path-string
863.	no set comm-list
864.	no set community
865.	no set ip default next-hop ip-address
866.	no set ip default next-hop ip-address ip-address
867.	no set ip next-hop ip-address
868.	no set ip next-hop ip-address ip-address
869.	no set ip precedence
870.	no shutdown
871.	no snmp trap link-status
872.	no snmp-server community string

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873.	no snmp-server contact
874.	no snmp-server enable traps
875.	no snmp-server location
876.	no snmp-server view view-name
877.	no sntp server hostname
878.	no spanning-tree backbonefast
879.	no spanning-tree cost
880.	no spanning-tree loopguard default
881.	no spanning-tree mode
882.	no spanning-tree mst instance-id cost
883.	no spanning-tree mst instance-id port-priority
884.	no spanning-tree mst instance-id priority
885.	no spanning-tree mst max-hops
886.	no spanning-tree pathcost method
887.	no spanning-tree port-priority
888.	no spanning-tree portfast
889.	no spanning-tree portfast bpdufilter default
890.	no spanning-tree portfast default
891.	no spanning-tree uplinkfast
892.	no spanning-tree uplinkfast max-update-rate
893.	no spanning-tree vlan vlan-id port-priority
894.	no speed
895.	no split-horizon
896.	no storm-control broadcast level
897.	no storm-control multicast level
898.	no storm-control unicast level
899.	no switchport access vlan
900.	no switchport mode
901.	no switchport mode dot1q-tunnel
902.	no switchport private-vlan host-association
903.	no switchport protected
904.	no switchport trunk allowed vlan
905.	no switchport trunk native vlan
906.	no system-mac
907.	no tacacs-server host hostname
908.	no telnet server enable
909.	no template peer name
910.	no timers bgp
911.	no timers spf
912.	no tunnel destination
913.	no tunnel mode
914.	no tunnel source
915.	no udld enable
916.	no udld port
917.	no vlan vlan-range
918.	no vpc peer-link
919.	no vrrp group description
920.	no vrrp group preempt
921.	no vrrp group timers advertise interval

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922.	no vrrp group timers learn
923.	nsf
924.	nsf ietf
925.	nsf ietf helper
926.	nsf ietf helper strict-lsa-checking
927.	nsf ietf restart-interval seconds
928.	ntp authenticate
929.	ntp authentication-key number md5 key
930.	ntp broadcast client
931.	ntp disable
932.	ntp multicast client
933.	ntp server hostname
934.	ntp server hostname prefer
935.	ntp server hostname version number
936.	ntp server ip-address
937.	ntp server ip-address prefer
938.	ntp server ip-address version number
939.	ntp server ip-address version number prefer
940.	ntp server ipv6-address
941.	ntp server ipv6-address prefer
942.	ntp server ipv6-address version number
943.	ntp trusted-key number
944.	ntp update-calendar
945.	output-delay delay
946.	passive-interface default
947.	password
948.	password password
949.	permit
950.	permit any any
951.	permit tcp any any
952.	permit tcp any any established
953.	permit tcp any any fragments
954.	permit tcp any any log
955.	permit tcp any any precedence precedence
956.	permit tcp any any tos tos-value
957.	permit udp any any
958.	permit udp any any fragments
959.	permit udp any any log
960.	permit udp any any precedence precedence
961.	permit udp any any tos tos-value
962.	permit vlan vlan-id
963.	ping
964.	ping count number
965.	ping df-bit
966.	ping ip-address
967.	ping ip-address count number
968.	ping source
969.	ping timeout
970.	port

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971.	port port-number
972.	ppp authentication pap
973.	preempt
974.	primary
975.	priority
976.	private-vlan community
977.	private-vlan isolated
978.	private-vlan primary
979.	privilege level level
980.	protocol none
981.	pwd
982.	qos trust
983.	quit
984.	radius-server host hostname
985.	radius-server host hostname auth-port port-number
986.	radius-server host hostname auth-port port-number retransmit retries
987.	radius-server host hostname auth-port port-number timeout seconds
988.	radius-server host hostname retransmit retries
989.	radius-server host hostname timeout seconds
990.	radius-server host ip-address
991.	radius-server host ip-address auth-port port-number
992.	radius-server host ip-address auth-port port-number timeout seconds
993.	radius-server host ip-address timeout seconds
994.	radius-server host ipv4-address
995.	radius-server host ipv4-address auth-port port-number
996.	radius-server host ipv4-address auth-port port-number timeout seconds
997.	radius-server host ipv4-address timeout seconds
998.	radius-server host ipv6-address
999.	radius-server host ipv6-address auth-port port-number
1000.	radius-server host ipv6-address auth-port port-number timeout seconds
1001.	radius-server host ipv6-address timeout seconds
1002.	radius-server key
1003.	radius-server retransmit retries
1004.	radius-server timeout seconds
1005.	redirect
1006.	redistribute
1007.	redistribute connected subnets
1008.	redistribute isis
1009.	redistribute ospf
1010.	redistribute rip
1011.	redistribute static
1012.	redistribute static route-map map-name
1013.	redundancy primary
1014.	reload
1015.	remark
1016.	remote-span
1017.	retransmit retries
1018.	revision version
1019.	route-map map-tag

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1020.	route-map map-tag deny
1021.	route-map map-tag deny sequence-number
1022.	route-map map-tag permit
1023.	route-map map-tag permit sequence-number
1024.	route-map map-tag sequence-number
1025.	router bgp as-number
1026.	router isis
1027.	router ospf
1028.	router ospf process-id
1029.	router rip
1030.	router-id ip-address
1031.	router-id router-id
1032.	rule number deny command command-string
1033.	rule number permit command command-string
1034.	security
1035.	send
1036.	service dhcp
1037.	service password-encryption
1038.	service timestamps
1039.	service timestamps datetime
1040.	service timestamps datetime localtime
1041.	service timestamps datetime localtime show-timezone
1042.	service timestamps datetime msec
1043.	service timestamps datetime msec show-timezone
1044.	service timestamps datetime show-timezone
1045.	service timestamps debug
1046.	service timestamps debug datetime
1047.	service timestamps debug datetime localtime
1048.	service timestamps debug datetime localtime show-timezone
1049.	service timestamps debug datetime msec
1050.	service timestamps debug datetime msec show-timezone
1051.	service timestamps debug datetime show-timezone
1052.	service timestamps debug uptime
1053.	service timestamps log
1054.	service timestamps log datetime
1055.	service timestamps log datetime localtime
1056.	service timestamps log datetime localtime show-timezone
1057.	service timestamps log datetime msec
1058.	service timestamps log datetime msec show-timezone
1059.	service timestamps log datetime show-timezone
1060.	service timestamps log uptime
1061.	service timestamps uptime
1062.	service-policy input policy-map-name
1063.	service-policy output policy-map-name
1064.	set as-path prepend as-path-string
1065.	set automatic-tag
1066.	set comm-list community-list-name delete
1067.	set community community-number
1068.	set community community-number additive

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1069.	set community none
1070.	set ip default next-hop ip-address
1071.	set ip default next-hop ip-address ip-address
1072.	set ip next-hop ip-address
1073.	set ip next-hop ip-address ip-address
1074.	set ipv6 next-hop ipv6-address
1075.	set level backbone
1076.	set level level-1
1077.	set level level-1-2
1078.	set level level-2
1079.	set level stub-area
1080.	set metric metric-value
1081.	set metric-type external
1082.	set metric-type internal
1083.	set metric-type type-1
1084.	set metric-type type-2
1085.	set origin igp
1086.	set origin incomplete
1087.	set tag tag-value
1088.	set-overload-bit
1089.	show aaa servers
1090.	show accounting
1091.	show archive
1092.	show arp
1093.	show arp access-list
1094.	show arp access-list acl-name
1095.	show arp summary
1096.	show arp vrf vrf-name
1097.	show authentication
1098.	show authentication interface interface-id
1099.	show boot
1100.	show bootvar
1101.	show buffers
1102.	show calendar
1103.	show chassis
1104.	show checkpoint statistics
1105.	show class-map
1106.	show clock
1107.	show clock detail
1108.	show configuration lock
1109.	show crypto ipsec policy
1110.	show crypto ipsec sa ipv6
1111.	show crypto key mypubkey dsa
1112.	show crypto key mypubkey rsa
1113.	show current
1114.	show debugging
1115.	show dot1q-tunnel
1116.	show dot1q-tunnel interface interface-id
1117.	show dot1x

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1118.	show dot1x interface interface-id
1119.	show dot1x interface interface-id statistics
1120.	show environment
1121.	show environment all
1122.	show environment fan
1123.	show ethernet cfm domain
1124.	show ethernet cfm domain brief
1125.	show ethernet cfm maintenance-points local
1126.	show ethernet cfm maintenance-points remote detail
1127.	show ethernet cfm maintenance-points remote detail mac mac-address
1128.	show ethernet cfm maintenance-points remote detail mac mac-address domain domain-name
1129.	show ethernet cfm maintenance-points remote detail mac mac-address domain domain-name vlan vlan-id
1130.	show ethernet cfm maintenance-points remote detail mac mac-address vlan vlan-id
1131.	show ethernet cfm statistics
1132.	show ethernet cfm statistics domain domain-name
1133.	show ethernet cfm traceroute-cache
1134.	show ethernet oam summary
1135.	show gvrp interface
1136.	show history
1137.	show hosts
1138.	show idprom interface interface-id
1139.	show interface switchport
1140.	show interfaces
1141.	show interfaces counters
1142.	show interfaces debounce
1143.	show interfaces description
1144.	show interfaces loopback
1145.	show interfaces port-channel
1146.	show interfaces status
1147.	show interfaces switchport
1148.	show interfaces transceiver
1149.	show interfaces transceiver properties
1150.	show interfaces tunnel
1151.	show inventory
1152.	show ip access-lists
1153.	show ip access-lists access-list-name
1154.	show ip as-path-access-list
1155.	show ip bgp
1156.	show ip bgp community
1157.	show ip bgp community community-number
1158.	show ip bgp community community-number local-as
1159.	show ip bgp community community-number local-as no-advertise
1160.	show ip bgp community community-number local-as no-export
1161.	show ip bgp community community-number no-advertise
1162.	show ip bgp community community-number no-export
1163.	show ip bgp community local-as

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1164.	show ip bgp community local-as no-advertise
1165.	show ip bgp community local-as no-export
1166.	show ip bgp community no-advertise
1167.	show ip bgp community no-export
1168.	show ip bgp community-list community-list-name
1169.	show ip bgp community-list community-list-name exact-match
1170.	show ip bgp dampened-paths
1171.	show ip bgp extcommunity-list
1172.	show ip bgp flap-statistics
1173.	show ip bgp flap-statistics ip-address mask
1174.	show ip bgp inconsistent-as
1175.	show ip bgp ipv4 multicast
1176.	show ip bgp ipv4 multicast neighbors
1177.	show ip bgp ipv4 multicast neighbors ip-address
1178.	show ip bgp ipv4 multicast summary
1179.	show ip bgp ipv4 unicast summary
1180.	show ip bgp ipv6 unicast
1181.	show ip bgp neighbors
1182.	show ip bgp neighbors ip-address
1183.	show ip bgp paths
1184.	show ip bgp peer-group
1185.	show ip bgp peer-group peer-group-name
1186.	show ip bgp peer-group peer-group-name summary
1187.	show ip bgp summary
1188.	show ip bgp update-group
1189.	show ip dhcp binding
1190.	show ip dhcp conflict
1191.	show ip dhcp database
1192.	show ip dhcp pool
1193.	show ip dhcp relay
1194.	show ip dhcp server statistics
1195.	show ip dhcp snooping
1196.	show ip dhcp snooping binding
1197.	show ip dhcp snooping binding dynamic
1198.	show ip dhcp snooping binding interface interface-id
1199.	show ip dhcp snooping binding interface interface-id vlan vlan-id
1200.	show ip dhcp snooping binding static
1201.	show ip dhcp snooping binding vlan vlan-id
1202.	show ip dhcp snooping database
1203.	show ip dhcp snooping statistics
1204.	show ip dvmrp route
1205.	show ip extcommunity-list
1206.	show ip helper-address
1207.	show ip http server secure status
1208.	show ip igmp
1209.	show ip igmp groups
1210.	show ip igmp groups interface
1211.	show ip igmp interface
1212.	show ip igmp membership

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1213.	show ip igmp snooping
1214.	show ip igmp snooping groups
1215.	show ip igmp snooping groups vlan vlan-id
1216.	show ip igmp snooping mrouter
1217.	show ip igmp snooping querier
1218.	show ip igmp snooping querier detail
1219.	show ip igmp snooping querier vlan vlan-id
1220.	show ip igmp snooping vlan vlan-id
1221.	show ip interface
1222.	show ip interface brief
1223.	show ip interface type number
1224.	show ip interface vrf vrf-name
1225.	show ip irdp
1226.	show ip mroute
1227.	show ip mroute count
1228.	show ip mroute summary
1229.	show ip msdp sa-cache
1230.	show ip msdp summary
1231.	show ip multicast
1232.	show ip multicast interface
1233.	show ip ospf
1234.	show ip ospf database
1235.	show ip ospf database database-summary
1236.	show ip ospf database self-originate
1237.	show ip ospf database summary
1238.	show ip ospf database summary link-state-id
1239.	show ip ospf database summary self-originate
1240.	show ip ospf interface
1241.	show ip ospf interface brief
1242.	show ip ospf interface brief vrf vrf-name
1243.	show ip ospf interface vrf vrf-name
1244.	show ip ospf neighbor
1245.	show ip ospf neighbor interface-type interface-number
1246.	show ip ospf process-id
1247.	show ip ospf process-id interface
1248.	show ip ospf statistics
1249.	show ip ospf statistics vrf vrf-name
1250.	show ip ospf traffic
1251.	show ip ospf traffic vrf vrf-name
1252.	show ip ospf virtual-links
1253.	show ip ospf vrf vrf-name
1254.	show ip pim bsr-router
1255.	show ip pim interface
1256.	show ip pim neighbor
1257.	show ip pim rp
1258.	show ip pim rp mapping
1259.	show ip pim statistics
1260.	show ip protocols
1261.	show ip rip

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1262.	show ip rip database
1263.	show ip rip database ip-address mask
1264.	show ip route
1265.	show ip route ip-address
1266.	show ip route ip-address mask
1267.	show ip route ip-address mask longer-prefixes
1268.	show ip route protocol
1269.	show ip route protocol process-id
1270.	show ip route static
1271.	show ip route summary
1272.	show ip rpf
1273.	show ip source binding
1274.	show ip ssh
1275.	show ip traffic
1276.	show ip verify source
1277.	show ip verify source interface interface-id
1278.	show ip vrf
1279.	show ip vrf detail
1280.	show ip vrf interfaces
1281.	show ip vrf vrf-name
1282.	show ipv6 access-lists
1283.	show ipv6 dhcp
1284.	show ipv6 dhcp binding
1285.	show ipv6 dhcp binding ipv6-address
1286.	show ipv6 dhcp interface
1287.	show ipv6 dhcp pool poolname
1288.	show ipv6 mld groups
1289.	show ipv6 mld groups detail
1290.	show ipv6 mld groups explicit
1291.	show ipv6 mld groups group-address
1292.	show ipv6 mld groups link-local
1293.	show ipv6 mld groups link-local group-address
1294.	show ipv6 mld groups summary
1295.	show ipv6 mld host-proxy
1296.	show ipv6 mld interface
1297.	show ipv6 mld snooping mrouter
1298.	show ipv6 mld snooping querier
1299.	show ipv6 mld snooping querier detail
1300.	show ipv6 mld snooping querier vlan vlan-id
1301.	show ipv6 mld traffic
1302.	show ipv6 mroute
1303.	show ipv6 mroute summary
1304.	show ipv6 nd raguard policy
1305.	show ipv6 neighbors
1306.	show ipv6 neighbors ipv6-address
1307.	show ipv6 ospf
1308.	show ipv6 ospf area-id
1309.	show ipv6 ospf border-routers
1310.	show ipv6 ospf database

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1311.	show ipv6 ospf database adv-router router-id
1312.	show ipv6 ospf database database-summary
1313.	show ipv6 ospf database external
1314.	show ipv6 ospf database external link-state-id
1315.	show ipv6 ospf database inter-area prefix
1316.	show ipv6 ospf database inter-area prefix link-state-id
1317.	show ipv6 ospf database inter-area prefix self-originate
1318.	show ipv6 ospf database inter-area router
1319.	show ipv6 ospf database inter-area router adv-router router-id
1320.	show ipv6 ospf database inter-area router link-state-id
1321.	show ipv6 ospf database inter-area router self-originate
1322.	show ipv6 ospf database link
1323.	show ipv6 ospf database link adv-router router-id
1324.	show ipv6 ospf database link link-state-id
1325.	show ipv6 ospf database link link-state-id adv-router router-id
1326.	show ipv6 ospf database link link-state-id self-originate
1327.	show ipv6 ospf database link self-originate
1328.	show ipv6 ospf database network
1329.	show ipv6 ospf database network adv-router router-id
1330.	show ipv6 ospf database network link-state-id
1331.	show ipv6 ospf database network link-state-id adv-router router-id
1332.	show ipv6 ospf database network link-state-id self-originate
1333.	show ipv6 ospf database network self-originate
1334.	show ipv6 ospf database prefix
1335.	show ipv6 ospf database prefix adv-router router-id
1336.	show ipv6 ospf database prefix link-state-id
1337.	show ipv6 ospf database prefix link-state-id adv-router router-id
1338.	show ipv6 ospf database prefix link-state-id self-originate
1339.	show ipv6 ospf database prefix self-originate
1340.	show ipv6 ospf database router
1341.	show ipv6 ospf database router adv-router router-id
1342.	show ipv6 ospf database router link-state-id
1343.	show ipv6 ospf database router link-state-id adv-router router-id
1344.	show ipv6 ospf database router link-state-id self-originate
1345.	show ipv6 ospf database router self-originate
1346.	show ipv6 ospf database self-originate
1347.	show ipv6 ospf database unknown
1348.	show ipv6 ospf database unknown adv-router router-id
1349.	show ipv6 ospf database unknown area
1350.	show ipv6 ospf database unknown area adv-router router-id
1351.	show ipv6 ospf database unknown area link-state-id
1352.	show ipv6 ospf database unknown area link-state-id adv-router router-id
1353.	show ipv6 ospf database unknown area link-state-id self-originate
1354.	show ipv6 ospf database unknown area self-originate
1355.	show ipv6 ospf database unknown as
1356.	show ipv6 ospf database unknown as adv-router router-id
1357.	show ipv6 ospf database unknown as link-state-id
1358.	show ipv6 ospf database unknown as link-state-id adv-router router-id
1359.	show ipv6 ospf database unknown as link-state-id self-originate

1360.	show ipv6 ospf database unknown as self-originate
1361.	show ipv6 ospf database unknown link
1362.	show ipv6 ospf database unknown link adv-router router-id
1363.	show ipv6 ospf database unknown link link-state-id
1364.	show ipv6 ospf database unknown link link-state-id adv-router router-id
1365.	show ipv6 ospf database unknown link link-state-id self-originate
1366.	show ipv6 ospf database unknown link self-originate
1367.	show ipv6 ospf database unknown self-originate
1368.	show ipv6 ospf interface
1369.	show ipv6 ospf interface brief
1370.	show ipv6 ospf neighbor
1371.	show ipv6 ospf neighbor interface-type interface-number
1372.	show ipv6 ospf neighbor interface-type interface-number neighbor-id
1373.	show ipv6 ospf neighbor neighbor-id
1374.	show ipv6 pim interface
1375.	show ipv6 pim neighbor
1376.	show ipv6 pim rp
1377.	show ipv6 pim statistics
1378.	show ipv6 protocols
1379.	show ipv6 route
1380.	show ipv6 route hostname
1381.	show ipv6 route hostname summary
1382.	show ipv6 route summary
1383.	show ipv6 snooping counters
1384.	show ipv6 traffic
1385.	show isis database
1386.	show isis database detail
1387.	show isis database detail lspid
1388.	show isis database level-1
1389.	show isis database level-1 detail
1390.	show isis database level-1 detail lspid
1391.	show isis database level-1 lspid
1392.	show isis database level-2
1393.	show isis database level-2 detail
1394.	show isis database level-2 detail lspid
1395.	show isis database level-2 lspid
1396.	show isis database lspid
1397.	show isis database summary
1398.	show isis hostname
1399.	show isis interface
1400.	show isis interface interface
1401.	show isis neighbors
1402.	show isis neighbors detail
1403.	show isis protocol
1404.	show isis traffic
1405.	show isis traffic interface
1406.	show lacp port-channel
1407.	show line
1408.	show line console

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1409.	show lldp
1410.	show lldp neighbors
1411.	show lldp neighbors detail
1412.	show logging
1413.	show logging history
1414.	show logging summary
1415.	show mac access-lists
1416.	show mac access-lists access-list-name
1417.	show mac address-table
1418.	show mac address-table count
1419.	show mac address-table count vlan vlan-id
1420.	show mac address-table interface interface-id
1421.	show mac address-table interface interface-id vlan vlan-id
1422.	show mac address-table static
1423.	show mac address-table static address mac-address
1424.	show mac address-table static address mac-address interface interface-id
1425.	show mac address-table static interface interface-id
1426.	show mac address-table vlan vlan-id
1427.	show mac-address-table
1428.	show mac-address-table aging-time
1429.	show mac-address-table count
1430.	show mac-address-table count vlan vlan-id
1431.	show mac-address-table dynamic
1432.	show mac-address-table dynamic address mac-address
1433.	show mac-address-table multicast
1434.	show mac-address-table static
1435.	show mac-address-table static address mac-address
1436.	show mac-address-table vlan vlan-id
1437.	show memory
1438.	show monitor capture
1439.	show mvr
1440.	show mvr interface
1441.	show mvr interface interface-id
1442.	show mvr interface interface-id members
1443.	show mvr interface interface-id members vlan vlan-id
1444.	show mvrp interface
1445.	show mvrp summary
1446.	show ntp associations
1447.	show ntp status
1448.	show pending
1449.	show policy-map
1450.	show port-security
1451.	show power inline
1452.	show power inline interface-id
1453.	show privilege
1454.	show processes cpu
1455.	show processes memory
1456.	show qos

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1457.	show qos interface
1458.	show radius
1459.	show radius statistics
1460.	show redundancy
1461.	show rmon alarms
1462.	show rmon events
1463.	show rmon hcalarms
1464.	show route-map
1465.	show route-map map-name
1466.	show running-config
1467.	show running-config all
1468.	show running-config lldp
1469.	show running-config pim
1470.	show slot
1471.	show snmp
1472.	show snmp engineID
1473.	show snmp group
1474.	show snmp user
1475.	show snmp user username
1476.	show sntp
1477.	show spanning-tree
1478.	show spanning-tree active
1479.	show spanning-tree backbonefast
1480.	show spanning-tree blockedports
1481.	show spanning-tree detail
1482.	show spanning-tree detail active
1483.	show spanning-tree mst configuration
1484.	show spanning-tree summary
1485.	show spanning-tree uplinkfast
1486.	show startup-config
1487.	show storm-control
1488.	show storm-control broadcast
1489.	show storm-control multicast
1490.	show switch
1491.	show system internal pktmgr internal control sw-rate-limit
1492.	show system mtu
1493.	show tacacs
1494.	show tech-support
1495.	show tech-support page
1496.	show time-range
1497.	show track ipv6 route
1498.	show track ipv6 route brief
1499.	show udld
1500.	show udld interface-id
1501.	show usb device
1502.	show users
1503.	show version
1504.	show vlan
1505.	show vlan brief

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1506.	show vlan id vlan-id
1507.	show vlan internal usage
1508.	show vlan name vlan-name
1509.	show vlan private-vlan
1510.	show vlan private-vlan type
1511.	show vlan remote-span
1512.	show vpc brief
1513.	show vpc consistency-parameters global
1514.	show vpc peer-keepalive
1515.	show vpc role
1516.	show vpc statistics peer-keepalive
1517.	show vpc statistics peer-link
1518.	show vrrp
1519.	show vrrp brief
1520.	show vrrp interface
1521.	shutdown
1522.	snmp ifmib ifalias long
1523.	snmp trap link-status
1524.	snmp-server community name
1525.	snmp-server community string ro
1526.	snmp-server community string rw
1527.	snmp-server contact text
1528.	snmp-server enable traps
1529.	snmp-server enable traps notification-option
1530.	snmp-server enable traps notification-type
1531.	snmp-server enable traps notification-type notification-option
1532.	snmp-server engineID local engineid-string
1533.	snmp-server host hostname community-string
1534.	snmp-server host hostname community-string udp-port port
1535.	snmp-server host ip-address community-string
1536.	snmp-server host ip-address community-string notification-type
1537.	snmp-server host ip-address community-string udp-port port
1538.	snmp-server host ip-address traps community-string
1539.	snmp-server host ip-address traps community-string notification-type
1540.	snmp-server host ip-address traps version 1 community-string
1541.	snmp-server host ip-address traps version 1 community-string notification-type
1542.	snmp-server host ip-address traps version 2c community-string
1543.	snmp-server host ip-address traps version 2c community-string notification-type
1544.	snmp-server host ip-address version 1 community-string
1545.	snmp-server host ip-address version 1 community-string notification-type
1546.	snmp-server host ip-address version 2c community-string
1547.	snmp-server host ip-address version 2c community-string notification-type
1548.	snmp-server location text
1549.	snmp-server packetsize byte-count
1550.	snmp-server trap-source interface

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1551.	snmp-server view view-name oid-tree excluded
1552.	snmp-server view view-name oid-tree included
1553.	sntp server hostname
1554.	spanning-tree cost cost
1555.	spanning-tree guard root
1556.	spanning-tree link-type point-to-point
1557.	spanning-tree link-type shared
1558.	spanning-tree mst configuration
1559.	spanning-tree mst instance-id cost cost
1560.	spanning-tree mst instance-id port-priority priority
1561.	spanning-tree mst instance-id priority priority
1562.	spanning-tree mst max-hops hop-count
1563.	spanning-tree pathcost method long
1564.	spanning-tree pathcost method short
1565.	spanning-tree port-priority priority
1566.	spanning-tree portfast
1567.	speed 10
1568.	speed 100
1569.	speed 1000
1570.	speed 10000
1571.	speed auto
1572.	speed auto 10
1573.	speed auto 100
1574.	speed auto 1000
1575.	spf-interval level-1 seconds
1576.	spf-interval level-2 seconds
1577.	spf-interval seconds
1578.	ssh
1579.	ssh hostname
1580.	summary-address ip-address mask
1581.	switchport
1582.	switchport access vlan vlan-id
1583.	switchport mode access
1584.	switchport mode dot1q-tunnel
1585.	switchport mode private-vlan host
1586.	switchport mode private-vlan promiscuous
1587.	switchport mode private-vlan trunk
1588.	switchport mode trunk
1589.	switchport private-vlan host-association primary-vlan-id secondary-vlan-id
1590.	switchport private-vlan mapping primary-vlan-id add secondary-vlan-list
1591.	switchport private-vlan mapping primary-vlan-id remove secondary-vlan-list
1592.	switchport trunk allowed vlan add vlan-list
1593.	switchport trunk allowed vlan remove vlan-list
1594.	switchport trunk encapsulation dot1q
1595.	switchport trunk native vlan vlan-id
1596.	system-mac mac-address
1597.	tacacs-server host hostname

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1598.	tacacs-server host hostname port port-number
1599.	tacacs-server host hostname single-connection
1600.	tacacs-server host hostname timeout seconds
1601.	tacacs-server host ipv4-address
1602.	tacacs-server host ipv4-address timeout seconds
1603.	tacacs-server host ipv6-address
1604.	tacacs-server host ipv6-address timeout seconds
1605.	tcp
1606.	telnet host
1607.	telnet host port
1608.	telnet ip-address
1609.	telnet server enable
1610.	template peer name
1611.	terminal history
1612.	terminal length screen-length
1613.	terminal monitor
1614.	terminal no history
1615.	terminal no history size
1616.	threshold metric down number
1617.	threshold metric up number
1618.	time-period minutes
1619.	timeout
1620.	timeout login response seconds
1621.	timers basic update invalid holddown flush
1622.	timers bgp keepalive holdtime
1623.	timers pacing flood milliseconds
1624.	timers pacing lsa-group seconds
1625.	timers spf delay holdtime
1626.	traceroute
1627.	traceroute ip-address
1628.	track interface
1629.	tunnel destination ip-address
1630.	tunnel mode ipv6ip
1631.	tunnel mode ipv6ip 6to4
1632.	tunnel source interface-type interface-number
1633.	tunnel source ip-address
1634.	udld enable
1635.	udld port aggressive
1636.	udld reset
1637.	udp
1638.	version 1
1639.	version 2
1640.	vlan database
1641.	vlan vlan-range
1642.	vpc domain domain-id
1643.	vpc peer-link
1644.	vrrp group description text
1645.	vrrp group ip ip-address
1646.	vrrp group ip ip-address secondary

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1647.	vrrp group preempt
1648.	vrrp group priority level
1649.	vrrp group timers advertise interval
1650.	vrrp group timers learn
1651.	write core
1652.	write memory

APPENDIX J.1 - Dell/Force10 vs. Cisco Command Overlap (2003/2004)

	Dell and Force10 CLI Commands (2003/2004)
1.	aaa authorization exec default local
2.	aaa authorization exec default none
3.	area area-id default-cost cost
4.	area area-id nssa
5.	area area-id nssa default-information-originate
6.	area area-id nssa default-information-originate no-redistribution
7.	area area-id nssa default-information-originate no-redistribution no-summary
8.	area area-id nssa default-information-originate no-summary
9.	area area-id nssa no-redistribution
10.	area area-id nssa no-redistribution no-summary
11.	area area-id nssa no-summary
12.	area area-id stub
13.	area area-id stub no-summary
14.	area area-id virtual-link router-id
15.	area area-id virtual-link router-id dead-interval seconds
16.	area area-id virtual-link router-id hello-interval seconds
17.	area area-id virtual-link router-id hello-interval seconds transmit-delay seconds
18.	area area-id virtual-link router-id transmit-delay seconds
19.	area-password password
20.	arp timeout seconds
21.	auto-cost
22.	auto-summary
23.	bgp always-compare-med
24.	bgp bestpath as-path ignore
25.	bgp bestpath med confed
26.	bgp client-to-client reflection
27.	bgp dampening
28.	bgp dampening half-life reuse suppress max-suppress-time
29.	bgp dampening route-map map-name
30.	bgp fast-external-fallover
31.	bgp graceful-restart
32.	bgp log-neighbor-changes
33.	bgp router-id ip-address
34.	cd directory
35.	class-map match-all class-map-name
36.	class-map match-any class-map-name
37.	clear arp-cache
38.	clear counters
39.	clear gvrp statistics
40.	clear ip bgp ANY
41.	clear ip bgp dampening
42.	clear ip bgp flap-statistics
43.	clear ip bgp peer-group peer-group-name
44.	clear ip igmp groups
45.	clear ip mroute ANY

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46.	clear ip prefix-list
47.	clear ip route ANY
48.	clear isis traffic
49.	clear logging
50.	clear spanning-tree detected-protocols
51.	clock read-calendar
52.	clock update-calendar
53.	configure
54.	configure terminal
55.	copy source-url destination-url
56.	crypto key generate dsa
57.	crypto key generate rsa
58.	debug ntp adjust
59.	debug ntp all
60.	debug ntp authentication
61.	debug ntp events
62.	debug ntp loopfilter
63.	debug ntp select
64.	debug ntp sync
65.	debug spanning-tree mstp
66.	debug spanning-tree mstp all
67.	default-information originate
68.	default-information originate always
69.	default-information originate always route-map map-name
70.	default-information originate metric metric-value
71.	default-information originate route-map map-name
72.	default-metric number
73.	deny
74.	deny any any
75.	deny protocol any any
76.	description string
77.	description text
78.	dir
79.	dir file-url
80.	disable
81.	disable privilege-level
82.	distance bgp external-distance internal-distance local-distance
83.	distance weight
84.	domain-password password
85.	down-when-looped
86.	dscp
87.	duplex full
88.	duplex half
89.	enable
90.	enable level
91.	enable privilege-level
92.	enable secret password

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93.	end
94.	exec-timeout minutes
95.	exec-timeout minutes seconds
96.	exit
97.	graceful-restart grace-period seconds
98.	hello padding
99.	help
100.	history
101.	hold-time seconds
102.	hostname dynamic
103.	hostname name
104.	interface loopback number
105.	interface port-channel channel-number
106.	interface port-channel port-channel-number
107.	interface vlan vlan-id
108.	ip access-group access-list-name in
109.	ip access-group access-list-name out
110.	ip address ip-address mask
111.	ip address ip-address mask secondary
112.	ip directed-broadcast
113.	ip domain-lookup
114.	ip ftp password password
115.	ip ftp username username
116.	ip http server
117.	ip igmp immediate-leave
118.	ip igmp snooping
119.	ip igmp snooping fast-leave
120.	ip igmp snooping querier
121.	ip multicast-routing
122.	ip name-server ip-address
123.	ip ospf dead-interval seconds
124.	ip ospf hello-interval seconds
125.	ip ospf mtu-ignore
126.	ip ospf network broadcast
127.	ip ospf network point-to-point
128.	ip ospf retransmit-interval seconds
129.	ip ospf transmit-delay seconds
130.	ip pim sparse-mode
131.	ip proxy-arp
132.	ip radius source-interface interface
133.	ip redirects
134.	ip rip receive version
135.	ip rip receive version 1
136.	ip rip receive version 1 2
137.	ip rip receive version 2
138.	ip rip send version
139.	ip rip send version 1

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140.	ip rip send version 1 2
141.	ip rip send version 2
142.	ip source-route
143.	ip split-horizon
144.	ip tacacs source-interface interface
145.	ip telnet source-interface interface
146.	ip unreachables
147.	is-type level-1
148.	is-type level-1-2
149.	is-type level-2-only
150.	isis circuit-type level-1
151.	isis circuit-type level-1-2
152.	isis circuit-type level-2-only
153.	isis csnp-interval seconds
154.	isis csnp-interval seconds level-1
155.	isis csnp-interval seconds level-2
156.	isis hello padding
157.	isis hello-interval seconds
158.	isis hello-interval seconds level-1
159.	isis hello-interval seconds level-2
160.	isis hello-multiplier multiplier
161.	isis hello-multiplier multiplier level-1
162.	isis hello-multiplier multiplier level-2
163.	isis network point-to-point
164.	isis password password
165.	isis password password level-1
166.	isis password password level-2
167.	keepalive
168.	line aux 0
169.	line console
170.	line console 0
171.	log-adjacency-changes
172.	logging console
173.	logging monitor
174.	logging source-interface interface
175.	logging synchronous
176.	logging synchronous all
177.	login authentication default
178.	login authentication list-name
179.	loopback line
180.	lsp-gen-interval seconds
181.	lsp-refresh-interval seconds
182.	name vlan-name
183.	negotiation
184.	neighbor ip-address
185.	neighbor ip-address activate
186.	neighbor ip-address advertisement-interval seconds

APPENDIX J.1 - Dell/Force10 vs. Cisco Command Overlap (2003/2004)

187.	neighbor ip-address default-originate
188.	neighbor ip-address default-originate route-map map-name
189.	neighbor ip-address description text
190.	neighbor ip-address ebgp-multihop
191.	neighbor ip-address ebgp-multihop ttl
192.	neighbor ip-address maximum-prefix maximum
193.	neighbor ip-address maximum-prefix maximum threshold
194.	neighbor ip-address maximum-prefix maximum threshold warning-only
195.	neighbor ip-address maximum-prefix maximum warning-only
196.	neighbor ip-address next-hop-self
197.	neighbor ip-address peer-group peer-group-name
198.	neighbor ip-address remove-private-as
199.	neighbor ip-address route-map map-name in
200.	neighbor ip-address route-map map-name out
201.	neighbor ip-address route-reflector-client
202.	neighbor ip-address send-community
203.	neighbor ip-address timers keepalive holdtime
204.	neighbor peer-group-name activate
205.	neighbor peer-group-name advertisement-interval seconds
206.	neighbor peer-group-name default-originate
207.	neighbor peer-group-name default-originate route-map map-name
208.	neighbor peer-group-name description text
209.	neighbor peer-group-name ebgp-multihop
210.	neighbor peer-group-name ebgp-multihop ttl
211.	neighbor peer-group-name maximum-prefix maximum
212.	neighbor peer-group-name maximum-prefix maximum threshold
213.	neighbor peer-group-name maximum-prefix maximum threshold warning-only
214.	neighbor peer-group-name maximum-prefix maximum warning-only
215.	neighbor peer-group-name next-hop-self
216.	neighbor peer-group-name peer-group
217.	neighbor peer-group-name remove-private-as
218.	neighbor peer-group-name route-map map-name in
219.	neighbor peer-group-name route-map map-name out
220.	neighbor peer-group-name route-reflector-client
221.	neighbor peer-group-name send-community
222.	network ip-address
223.	no arp timeout seconds
224.	no channel-group
225.	no description
226.	no history
227.	no history size
228.	no hostname
229.	no ip address
230.	no ip http server
231.	no ip igmp snooping
232.	no lacp port-priority
233.	no lacp system-priority

APPENDIX J.1 - Dell/Force10 vs. Cisco Command Overlap (2003/2004)

234.	no logging console
235.	no login authentication
236.	no name
237.	no password
238.	no radius-server deadtime
239.	no radius-server host ip-address
240.	no radius-server key
241.	no radius-server retransmit
242.	no radius-server timeout
243.	no shutdown
244.	no snmp-server community string
245.	no snmp-server contact
246.	no snmp-server enable traps
247.	no spanning-tree cost
248.	no spanning-tree mode
249.	no spanning-tree port-priority
250.	no spanning-tree portfast
251.	no speed
252.	no switchport access vlan
253.	no switchport mode
254.	no switchport trunk native vlan
255.	no vlan vlan-range
256.	ntp authenticate
257.	ntp authentication-key number md5 key
258.	ntp broadcast client
259.	ntp disable
260.	ntp multicast client
261.	ntp server ip-address
262.	ntp server ip-address prefer
263.	ntp server ip-address version number
264.	ntp server ip-address version number prefer
265.	ntp trusted-key number
266.	ntp update-calendar
267.	output-delay delay
268.	password password
269.	permit
270.	permit any any
271.	permit tcp any any
272.	permit tcp any any established
273.	permit tcp any any log
274.	permit tcp any any precedence precedence
275.	permit tcp any any tos tos-value
276.	permit udp any any
277.	permit udp any any log
278.	permit udp any any precedence precedence
279.	permit udp any any tos tos-value
280.	permit vlan vlan-id

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281.	ping
282.	ping ip-address
283.	ppp authentication pap
284.	preempt
285.	privilege level level
286.	pwd
287.	radius-server host hostname
288.	radius-server host hostname auth-port port-number
289.	radius-server host hostname auth-port port-number timeout seconds
290.	radius-server host hostname timeout seconds
291.	radius-server host ip-address
292.	radius-server host ip-address auth-port port-number
293.	radius-server host ip-address auth-port port-number timeout seconds
294.	radius-server host ip-address retransmit retries
295.	radius-server host ip-address timeout seconds
296.	radius-server retransmit retries
297.	radius-server timeout seconds
298.	redistribute
299.	redistribute isis
300.	redistribute rip
301.	redistribute static
302.	redistribute static route-map map-name
303.	redundancy primary
304.	reload
305.	router bgp as-number
306.	router isis
307.	router ospf process-id
308.	router rip
309.	router-id ip-address
310.	service password-encryption
311.	service timestamps
312.	service timestamps datetime
313.	service timestamps datetime localtime
314.	service timestamps datetime localtime show-timezone
315.	service timestamps datetime msec
316.	service timestamps datetime msec show-timezone
317.	service timestamps datetime show-timezone
318.	service timestamps debug
319.	service timestamps debug datetime
320.	service timestamps debug datetime localtime
321.	service timestamps debug datetime localtime show-timezone
322.	service timestamps debug datetime msec
323.	service timestamps debug datetime msec show-timezone
324.	service timestamps debug datetime show-timezone
325.	service timestamps debug uptime
326.	service timestamps log
327.	service timestamps log datetime

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328.	service timestamps log datetime localtime
329.	service timestamps log datetime localtime show-timezone
330.	service timestamps log datetime msec
331.	service timestamps log datetime msec show-timezone
332.	service timestamps log datetime show-timezone
333.	service timestamps log uptime
334.	service timestamps uptime
335.	service-policy input policy-map-name
336.	service-policy output policy-map-name
337.	set automatic-tag
338.	set comm-list community-list-name delete
339.	set community community-number
340.	set community community-number additive
341.	set community none
342.	set level backbone
343.	set level level-1
344.	set level level-1-2
345.	set level level-2
346.	set level stub-area
347.	set metric metric-value
348.	set metric-type external
349.	set metric-type internal
350.	set metric-type type-1
351.	set metric-type type-2
352.	set origin igp
353.	set origin incomplete
354.	set tag tag-value
355.	set-overload-bit
356.	show access-lists
357.	show access-lists name
358.	show arp
359.	show arp summary
360.	show bootvar
361.	show calendar
362.	show chassis
363.	show clock
364.	show clock detail
365.	show crypto key mypubkey dsa
366.	show crypto key mypubkey rsa
367.	show debugging
368.	show environment
369.	show environment all
370.	show environment fan
371.	show history
372.	show hosts
373.	show interfaces
374.	show interfaces counters

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375.	show interfaces description
376.	show interfaces port-channel
377.	show interfaces status
378.	show interfaces switchport
379.	show ip bgp
380.	show ip bgp community
381.	show ip bgp community community-number
382.	show ip bgp community community-number local-as
383.	show ip bgp community community-number local-as no-advertise
384.	show ip bgp community community-number local-as no-export
385.	show ip bgp community community-number no-advertise
386.	show ip bgp community community-number no-export
387.	show ip bgp community local-as
388.	show ip bgp community local-as no-advertise
389.	show ip bgp community local-as no-export
390.	show ip bgp community no-advertise
391.	show ip bgp community no-export
392.	show ip bgp community-list community-list-name
393.	show ip bgp dampened-paths
394.	show ip bgp flap-statistics
395.	show ip bgp flap-statistics ip-address mask
396.	show ip bgp inconsistent-as
397.	show ip bgp ipv4 multicast
398.	show ip bgp ipv4 multicast neighbors
399.	show ip bgp ipv4 multicast neighbors ip-address
400.	show ip bgp ipv4 multicast summary
401.	show ip bgp neighbors
402.	show ip bgp neighbors ip-address
403.	show ip bgp paths
404.	show ip bgp peer-group
405.	show ip bgp peer-group peer-group-name
406.	show ip bgp peer-group peer-group-name summary
407.	show ip bgp summary
408.	show ip igmp groups
409.	show ip igmp groups interface
410.	show ip igmp interface
411.	show ip igmp snooping mrouter
412.	show ip interface
413.	show ip interface brief
414.	show ip mroute
415.	show ip ospf
416.	show ip ospf database
417.	show ip ospf database summary
418.	show ip ospf database summary link-state-id
419.	show ip ospf interface
420.	show ip ospf neighbor
421.	show ip ospf virtual-links

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422.	show ip pim bsr-router
423.	show ip pim interface
424.	show ip pim neighbor
425.	show ip pim rp
426.	show ip pim rp mapping
427.	show ip protocols
428.	show ip rip database
429.	show ip rip database ip-address mask
430.	show ip route
431.	show ip route ip-address
432.	show ip route ip-address mask
433.	show ip route ip-address mask longer-prefixes
434.	show ip route protocol
435.	show ip route protocol process-id
436.	show ip route static
437.	show ip route summary
438.	show ip ssh
439.	show ip traffic
440.	show isis database
441.	show isis database detail
442.	show isis database detail lspid
443.	show isis database level-1
444.	show isis database level-1 detail
445.	show isis database level-1 detail lspid
446.	show isis database level-1 lspid
447.	show isis database level-2
448.	show isis database level-2 detail
449.	show isis database level-2 detail lspid
450.	show isis database level-2 lspid
451.	show isis database lspid
452.	show isis database summary
453.	show isis hostname
454.	show isis interface
455.	show isis interface interface
456.	show isis neighbors
457.	show isis neighbors detail
458.	show isis protocol
459.	show isis traffic
460.	show isis traffic interface
461.	show lacp port-channel
462.	show line
463.	show line console
464.	show logging
465.	show logging history
466.	show logging summary
467.	show mac-address-table
468.	show mac-address-table aging-time

APPENDIX J.1 - Dell/Force10 vs. Cisco Command Overlap (2003/2004)

469.	show mac-address-table count
470.	show mac-address-table dynamic
471.	show mac-address-table dynamic address mac-address
472.	show mac-address-table static
473.	show mac-address-table static address mac-address
474.	show mac-address-table vlan vlan-id
475.	show memory
476.	show ntp associations
477.	show ntp status
478.	show privilege
479.	show processes cpu
480.	show processes memory
481.	show redundancy
482.	show rmon events
483.	show route-map
484.	show route-map map-name
485.	show running-config
486.	show snmp
487.	show spanning-tree
488.	show spanning-tree mst configuration
489.	show startup-config
490.	show tech-support
491.	show tech-support page
492.	show users
493.	show version
494.	show vlan
495.	show vlan brief
496.	show vlan id vlan-id
497.	show vlan name vlan-name
498.	show vrrp
499.	show vrrp brief
500.	shutdown
501.	snmp trap link-status
502.	snmp-server community string
503.	snmp-server community string ro
504.	snmp-server community string rw
505.	snmp-server contact text
506.	snmp-server enable traps
507.	snmp-server enable traps notification-option
508.	snmp-server enable traps notification-type
509.	snmp-server enable traps notification-type notification-option
510.	snmp-server host ip-address community-string
511.	snmp-server host ip-address community-string notification-type
512.	snmp-server host ip-address traps community-string
513.	snmp-server host ip-address traps community-string notification-type
514.	snmp-server host ip-address traps version 1 community-string
515.	snmp-server host ip-address traps version 1 community-string notification-type

APPENDIX J.1 - Dell/Force10 vs. Cisco Command Overlap (2003/2004)

516.	snmp-server host ip-address traps version 2c community-string
517.	snmp-server host ip-address traps version 2c community-string notification-type
518.	snmp-server host ip-address version 1 community-string
519.	snmp-server host ip-address version 1 community-string notification-type
520.	snmp-server host ip-address version 2c community-string
521.	snmp-server host ip-address version 2c community-string notification-type
522.	snmp-server location text
523.	snmp-server trap-source interface
524.	spanning-tree cost cost
525.	spanning-tree link-type point-to-point
526.	spanning-tree link-type shared
527.	spanning-tree port-priority priority
528.	spanning-tree portfast
529.	speed 10
530.	speed 100
531.	speed 1000
532.	speed auto
533.	spf-interval level-1 seconds
534.	spf-interval level-2 seconds
535.	spf-interval seconds
536.	ssh
537.	ssh hostname
538.	summary-address ip-address mask
539.	switchport
540.	switchport access vlan vlan-id
541.	switchport mode access
542.	switchport mode trunk
543.	switchport trunk native vlan vlan-id
544.	tacacs-server host hostname
545.	tacacs-server host hostname timeout seconds
546.	telnet host
547.	telnet ip-address
548.	terminal length screen-length
549.	terminal monitor
550.	timeout login response seconds
551.	timers basic update invalid holddown flush
552.	timers spf delay holdtime
553.	traceroute
554.	traceroute ip-address
555.	version 1
556.	version 2
557.	vlan database
558.	vlan vlan-range
559.	write memory

APPENDIX J.2 - Juniper JUNOSe vs. Cisco Command Overlap (2003/2004)

	Juniper JUNOSe CLI Commands (2003/2004)
1.	aps lockout
2.	aps protect
3.	aps unidirectional
4.	aps working
5.	authentication message-digest
6.	authentication mode text
7.	bandwidth bandwidth
8.	bgp client-to-client reflection
9.	bgp default ipv4-unicast
10.	bgp enforce-first-as
11.	bgp fast-external-fallover
12.	bgp graceful-restart restart-time seconds
13.	bgp log-neighbor-changes
14.	bgp redistribute-internal
15.	channelized
16.	clear bgp ipv6 dampening
17.	clear bgp ipv6 flap-statistics
18.	clear ip bgp ANY
19.	clear ip bgp ANY soft
20.	clear ip bgp ANY soft in
21.	clear ip bgp ANY soft in prefix-filter
22.	clear ip bgp ANY soft out
23.	clear ip bgp dampening
24.	clear ip bgp flap-statistics
25.	clear ip bgp ipv4 multicast dampening
26.	clear ip bgp ipv4 unicast dampening
27.	clear ip mroute ANY
28.	clear ip nat translation ANY
29.	clear ip ospf redistribution
30.	clear ip pim auto-rp
31.	clear ip pim interface count
32.	clear ip prefix-list
33.	clear ipv6 prefix-list
34.	clear isis adjacency
35.	dir
36.	encapsulation hdlc
37.	encapsulation ppp
38.	encryption 3des
39.	encryption des
40.	end
41.	exception protocol ftp
42.	exit
43.	exit-address-family
44.	filter
45.	frame-relay interface-dlci dlci ietf

APPENDIX J.2 - Juniper JUNOSe vs. Cisco Command Overlap (2003/2004)

46.	hash sha
47.	help
48.	hssi internal-clock
49.	ip bgp-community new-format
50.	ip broadcast-address
51.	ip directed-broadcast
52.	ip dvmrp auto-summary
53.	ip dvmrp unicast-routing
54.	ip http server
55.	ip irdp
56.	ip mask-reply
57.	ip multicast-routing
58.	ip nat inside
59.	ip nat outside
60.	ip nat translation dns-timeout seconds
61.	ip nat translation finrst-timeout seconds
62.	ip nat translation icmp-timeout seconds
63.	ip nat translation tcp-timeout seconds
64.	ip nat translation timeout seconds
65.	ip nat translation udp-timeout seconds
66.	ip ospf authentication message-digest
67.	ip ospf network broadcast
68.	ip ospf network non-broadcast
69.	ip ospf network point-to-point
70.	ip ospf shutdown
71.	ip pim
72.	ip pim sparse-dense-mode
73.	ip pim sparse-mode
74.	ip pim ssm
75.	ip proxy-arp
76.	ip rip receive version 1
77.	ip rip receive version 1 2
78.	ip rip receive version 2
79.	ip rip send version 1
80.	ip rip send version 1 2
81.	ip rip send version 2
82.	ip split-horizon
83.	ipv6 enable
84.	ipv6 nd ns-interval milliseconds
85.	ipv6 nd reachable-time milliseconds
86.	is-type level-1
87.	is-type level-1-2
88.	is-type level-2-only
89.	isis circuit-type
90.	isis circuit-type level-1
91.	isis circuit-type level-1-2
92.	isis circuit-type level-2-only

APPENDIX J.2 - Juniper JUNOSe vs. Cisco Command Overlap (2003/2004)

93.	isis csnp-interval seconds
94.	isis csnp-interval seconds level-1
95.	isis csnp-interval seconds level-2
96.	isis hello-interval seconds
97.	isis hello-interval seconds level-1
98.	isis hello-interval seconds level-2
99.	isis hello-multiplier multiplier
100.	isis hello-multiplier multiplier level-1
101.	isis hello-multiplier multiplier level-2
102.	isis lsp-interval milliseconds
103.	isis retransmit-interval seconds
104.	isis retransmit-throttle-interval milliseconds
105.	lease days
106.	lease days hours
107.	lease days hours minutes
108.	lease infinite
109.	list
110.	log
111.	lsp-gen-interval seconds
112.	lsp-refresh-interval seconds
113.	maximum routes limit warning-only
114.	metric-style wide
115.	metric-style wide level-1
116.	metric-style wide level-1-2
117.	metric-style wide level-2
118.	metric-style wide transition
119.	metric-style wide transition level-1
120.	metric-style wide transition level-1-2
121.	metric-style wide transition level-2
122.	mpls ldp discovery transport-address interface
123.	mpls traffic-eng administrative-weight weight
124.	mpls traffic-eng level-1
125.	no arp timeout
126.	no authentication mode
127.	no authentication-key
128.	no bandwidth
129.	no banner exec
130.	no banner login
131.	no banner motd
132.	no bgp client-to-client reflection
133.	no bgp default ipv4-unicast
134.	no bgp enforce-first-as
135.	no bgp fast-external-fallover
136.	no bgp log-neighbor-changes
137.	no bgp maxas-limit
138.	no bgp redistribute-internal
139.	no bgp router-id

APPENDIX J.2 - Juniper JUNOSe vs. Cisco Command Overlap (2003/2004)

140.	no channelized
141.	no clock summer-time
142.	no clock timezone
143.	no dead-interval
144.	no deadtime
145.	no default-router
146.	no distance bgp
147.	no dns-server
148.	no encryption
149.	no exception dump
150.	no exception protocol
151.	no exec-banner
152.	no filter
153.	no frame-relay interface-dlci dlci
154.	no frame-relay intf-type
155.	no frequency
156.	no hash
157.	no hello-interval
158.	no host hostname
159.	no hostname
160.	no ip address
161.	no ip bgp-community new-format
162.	no ip broadcast-address
163.	no ip dhcp-server
164.	no ip directed-broadcast
165.	no ip ftp source-interface
166.	no ip http server
167.	no ip igmp access-group
168.	no ip igmp query-max-response-time
169.	no ip igmp version
170.	no ip irdp
171.	no ip mask-reply
172.	no ip nat inside
173.	no ip nat outside
174.	no ip ospf authentication-key
175.	no ip ospf network
176.	no ip ospf shutdown
177.	no ip pim
178.	no ip pim send-rp-discovery
179.	no ip pim sparse-mode
180.	no ip pim spt-threshold infinity
181.	no ip proxy-arp
182.	no ip rip receive version
183.	no ip rip send version
184.	no ip split-horizon
185.	no ipv6 enable
186.	no ipv6 nd ns-interval

APPENDIX J.2 - Juniper JUNOSe vs. Cisco Command Overlap (2003/2004)

187.	no ipv6 nd reachable-time
188.	no is-type
189.	no isis circuit-type
190.	no isis csnp-interval
191.	no isis csnp-interval level-1
192.	no isis csnp-interval level-2
193.	no isis hello-interval
194.	no isis hello-interval level-1
195.	no isis hello-interval level-2
196.	no isis hello-multiplier
197.	no isis hello-multiplier level-1
198.	no isis hello-multiplier level-2
199.	no isis lsp-interval
200.	no isis retransmit-throttle-interval
201.	no lease
202.	no load-interval
203.	no login authentication
204.	no lsp-gen-interval
205.	no lsp-refresh-interval
206.	no max-lsp-lifetime
207.	no maximum routes
208.	no metric-style wide
209.	no metric-style wide level-1
210.	no metric-style wide level-1-2
211.	no metric-style wide level-2
212.	no metric-style wide transition
213.	no metric-style wide transition level-1
214.	no metric-style wide transition level-1-2
215.	no metric-style wide transition level-2
216.	no mpls traffic-eng level-1
217.	no mtu
218.	no netbios-name-server
219.	no netbios-node-type
220.	no ntp access-group peer
221.	no ntp access-group query-only
222.	no ntp access-group serve
223.	no ntp access-group serve-only
224.	no ntp enable
225.	no ntp source
226.	no ppp authentication
227.	no request-data-size
228.	no retransmit
229.	no router isis
230.	no router rip
231.	no sample
232.	no service timestamps
233.	no service timestamps log

APPENDIX J.2 - Juniper JUNOSe vs. Cisco Command Overlap (2003/2004)

234.	no set automatic-tag
235.	no set comm-list
236.	no set dampening
237.	no set extcommunity
238.	no set local-preference
239.	no set-overload-bit
240.	no snmp trap link-status
241.	no snmp-server
242.	no snmp-server contact
243.	no snmp-server enable traps
244.	no snmp-server enable traps snmp authentication
245.	no snmp-server location
246.	no snmp-server packetsize
247.	no snmp-server trap-source
248.	no spf-interval
249.	no synchronization
250.	no tag
251.	no timers
252.	no timers bgp
253.	no transmit-delay
254.	no version
255.	no weight
256.	ntp enable
257.	pos scramble-atm
258.	reload
259.	reload cancel
260.	retransmit retries
261.	router isis
262.	router rip
263.	scramble
264.	send ANY
265.	service timestamps log datetime
266.	service timestamps log datetime show-timezone
267.	set automatic-tag
268.	set-overload-bit
269.	show aaa accounting
270.	show arp
271.	show bgp ipv6
272.	show bgp ipv6 dampened-paths
273.	show bgp ipv6 flap-statistics
274.	show bgp ipv6 neighbors
275.	show bgp ipv6 paths
276.	show boot
277.	show clns interface
278.	show clns neighbors
279.	show clns neighbors detail
280.	show clock

APPENDIX J.2 - Juniper JUNOSe vs. Cisco Command Overlap (2003/2004)

281.	show clock detail
282.	show controllers e1
283.	show controllers e3
284.	show controllers sonet
285.	show controllers t1
286.	show controllers t3
287.	show environment
288.	show environment all
289.	show environment table
290.	show flash
291.	show frame-relay lmi
292.	show frame-relay map
293.	show frame-relay pvc
294.	show frame-relay pvc dlci
295.	show hardware
296.	show hosts
297.	show ip arp
298.	show ip as-path-access-list
299.	show ip bgp cidr-only
300.	show ip bgp dampened-paths
301.	show ip bgp inconsistent-as
302.	show ip bgp neighbors
303.	show ip bgp paths
304.	show ip bgp peer-group
305.	show ip dvmrp route
306.	show ip extcommunity-list
307.	show ip igmp groups
308.	show ip igmp interface
309.	show ip igmp interface brief
310.	show ip interface
311.	show ip interface brief
312.	show ip mroute
313.	show ip nat statistics
314.	show ip ospf
315.	show ip ospf border-routers
316.	show ip ospf database
317.	show ip ospf database summary
318.	show ip ospf interface
319.	show ip ospf neighbors
320.	show ip ospf virtual-links
321.	show ip pim interface
322.	show ip pim neighbor
323.	show ip prefix-list
324.	show ip protocols
325.	show ip rip
326.	show ip rip database
327.	show ip rip statistics

APPENDIX J.2 - Juniper JUNOSe vs. Cisco Command Overlap (2003/2004)

328.	show ip route
329.	show ip route static
330.	show ip ssh
331.	show ip traffic
332.	show ip vrf
333.	show ip vrf detail
334.	show ip vrf interfaces
335.	show ipv6 interface
336.	show ipv6 interface brief
337.	show ipv6 neighbors
338.	show ipv6 prefix-list
339.	show ipv6 protocols
340.	show ipv6 protocols summary
341.	show ipv6 route
342.	show ipv6 routers
343.	show ipv6 routers conflicts
344.	show ipv6 static
345.	show ntp associations
346.	show ntp associations detail
347.	show ntp status
348.	show processes
349.	show processes cpu
350.	show processes memory
351.	show redundancy
352.	show reload
353.	show running-configuration
354.	show snmp
355.	show snmp community
356.	show snmp trap
357.	show snmp user
358.	show snmp view
359.	show terminal
360.	show users
361.	show version
362.	snmp trap link-status
363.	snmp-server contact text
364.	snmp-server enable traps
365.	snmp-server enable traps snmp authentication
366.	snmp-server location text
367.	spf-interval level-1 seconds
368.	spf-interval level-2 seconds
369.	spf-interval seconds
370.	synchronization
371.	terminal data-character-bits 7
372.	terminal data-character-bits 8
373.	timeout login response seconds
374.	tunnel checksum

APPENDIX J.2 - Juniper JUNOSe vs. Cisco Command Overlap (2003/2004)

375.	tunnel sequence-datagrams
376.	version 1
377.	version 2

APPENDIX J.3 - Procket Networks vs. Cisco Command Overlap (2003/2004)

	Procket Networks CLI Commands (2003/2004)
1.	aaa accounting commands level default start-stop radius
2.	aaa accounting commands level default stop-only radius
3.	aaa accounting exec default start-stop none
4.	aaa accounting exec default start-stop radius
5.	aaa accounting exec default stop-only none
6.	aaa accounting exec default stop-only radius
7.	aaa accounting system default start-stop none
8.	aaa accounting system default start-stop radius
9.	aaa accounting system default stop-only none
10.	aaa accounting system default stop-only radius
11.	aaa authorization exec default local
12.	aaa authorization exec default none
13.	address ip-address
14.	address-family ipv6 unicast
15.	area area-id default-cost cost
16.	area area-id stub
17.	area area-id stub no-summary
18.	area area-id virtual-link router-id
19.	banner motd
20.	clear bgp
21.	clear bgp dampening
22.	clear ipv6 icmp interface statistics
23.	clear ipv6 neighbor
24.	clear ipv6 traffic
25.	clear ospfv3 neighbor neighbor-id
26.	clear ospfv3 statistics
27.	clear ospfv3 traffic
28.	clock source
29.	configure memory
30.	configure terminal
31.	dampening
32.	databits 7
33.	databits 8
34.	dead-interval seconds
35.	debug ipv6 icmp
36.	debug ipv6 nd
37.	debug ipv6 packet
38.	debug ipv6 routing
39.	debug lacp
40.	debug lacp all
41.	debug ospfv3 events
42.	debug ospfv3 hello
43.	debug ospfv3 lsa-generation
44.	debug ospfv3 retransmission
45.	default-information originate

APPENDIX J.3 - Procket Networks vs. Cisco Command Overlap (2003/2004)

46.	default-information originate always
47.	default-information originate metric metric-value
48.	description text
49.	disable
50.	distance value
51.	enable
52.	enable level
53.	hello-interval seconds
54.	interface loopback number
55.	ipv6 nd hop-limit hop-limit
56.	ipv6 nd managed-config-flag
57.	ipv6 nd other-config-flag
58.	ipv6 nd ra-interval interval
59.	ipv6 nd reachable-time time
60.	ipv6 nd retrans-timer time
61.	keepalive
62.	line aux
63.	line aux 0
64.	line console
65.	line console 0
66.	line vty
67.	load-interval seconds
68.	log-adjacency-changes
69.	log-adjacency-changes detail
70.	logging console
71.	logging monitor
72.	logging source-interface interface
73.	loopback line
74.	match tag tag-value
75.	mode
76.	mtu bytes
77.	no aaa accounting commands level default start-stop radius
78.	no aaa accounting commands level default stop-only radius
79.	no aaa accounting exec default start-stop radius
80.	no aaa accounting exec default stop-only radius
81.	no aaa accounting system default start-stop radius
82.	no aaa accounting system default stop-only radius
83.	no address ip-address
84.	no address-family ipv6 unicast
85.	no area area-id default-cost cost
86.	no area area-id stub
87.	no area area-id stub no-summary
88.	no area area-id virtual-link router-id
89.	no banner motd
90.	no dampening
91.	no debug ipv6 icmp
92.	no debug ipv6 nd

APPENDIX J.3 - Procket Networks vs. Cisco Command Overlap (2003/2004)

93.	no debug ipv6 packet
94.	no debug ipv6 routing
95.	no debug lacp
96.	no debug lacp all
97.	no debug ospfv3 hello
98.	no debug ospfv3 lsa-generation
99.	no debug ospfv3 retransmission
100.	no default-information originate
101.	no default-information originate always
102.	no default-information originate metric metric-value
103.	no description text
104.	no disable
105.	no enable
106.	no interface loopback number
107.	no ipv6 address
108.	no ipv6 nd hop-limit
109.	no ipv6 nd hop-limit hop-limit
110.	no ipv6 nd managed-config-flag
111.	no ipv6 nd mtu
112.	no ipv6 nd ns-interval
113.	no ipv6 nd other-config-flag
114.	no ipv6 nd ra-interval
115.	no ipv6 nd ra-interval interval
116.	no ipv6 nd reachable-time
117.	no ipv6 nd reachable-time time
118.	no ipv6 nd retrans-timer
119.	no ipv6 nd retrans-timer time
120.	no load-interval seconds
121.	no log-adjacency-changes
122.	no log-adjacency-changes detail
123.	no logging console
124.	no logging monitor
125.	no logging source-interface interface
126.	no match tag tag-value
127.	no mode
128.	no ntp server ip-address
129.	no ntp server ip-address prefer
130.	no ntp source
131.	no ospfv3 dead-interval seconds
132.	no ospfv3 hello-interval seconds
133.	no ospfv3 network broadcast
134.	no ospfv3 network point-to-point
135.	no ospfv3 retransmit-interval seconds
136.	no ospfv3 transmit-delay seconds
137.	no parity even
138.	no parity none
139.	no parity odd

APPENDIX J.3 - Procket Networks vs. Cisco Command Overlap (2003/2004)

140.	no preempt
141.	no service password-encryption
142.	no set metric
143.	no set tag tag-value
144.	no shutdown
145.	no snmp-server
146.	no snmp-server enable traps
147.	no snmp-server enable traps bgp
148.	no snmp-server enable traps snmp
149.	no snmp-server location location
150.	no stopbits 1
151.	no stopbits 2
152.	no tunnel destination
153.	no tunnel destination ip-address
154.	no tunnel mode gre ip
155.	no tunnel source
156.	ntp server ip-address
157.	ntp server ip-address prefer
158.	ntp server ip-address version number
159.	ntp server ip-address version number prefer
160.	ospfv3 dead-interval seconds
161.	ospfv3 hello-interval seconds
162.	ospfv3 network broadcast
163.	ospfv3 network point-to-point
164.	ospfv3 retransmit-interval seconds
165.	ospfv3 transmit-delay seconds
166.	parity even
167.	parity none
168.	parity odd
169.	ping
170.	pos flag
171.	preempt
172.	radius-server retransmit retries
173.	radius-server timeout seconds
174.	reload
175.	service password-encryption
176.	set metric metric-value
177.	set tag tag-value
178.	show bgp ipv6
179.	show bgp ipv6 unicast
180.	show clock
181.	show environment
182.	show environment fan
183.	show environment power
184.	show hardware
185.	show hosts
186.	show interface

APPENDIX J.3 - Procket Networks vs. Cisco Command Overlap (2003/2004)

187.	show interface dampening
188.	show inventory
189.	show ipv6 client
190.	show ipv6 fragments
191.	show ipv6 interface
192.	show ipv6 interface brief
193.	show ipv6 mroute
194.	show ipv6 mroute group
195.	show ipv6 mroute group source
196.	show ipv6 mroute group summary
197.	show ipv6 mroute source group
198.	show ipv6 nd interface
199.	show ipv6 neighbor
200.	show ipv6 neighbor interface
201.	show ipv6 ospfv3 policy statistics redistribute direct
202.	show ipv6 ospfv3 policy statistics redistribute static
203.	show ipv6 rip
204.	show ipv6 route
205.	show ipv6 route protocol
206.	show ipv6 route summary
207.	show ipv6 static-route
208.	show ipv6 traffic
209.	show isis ipv6 summary-address
210.	show line
211.	show line console
212.	show logging
213.	show monitor
214.	show ntp associations
215.	show ntp associations detail
216.	show ntp status
217.	show ospfv3
218.	show ospfv3 neighbors
219.	show ospfv3 neighbors detail
220.	show ospfv3 neighbors summary
221.	show radius
222.	show running-configuration
223.	show snmp
224.	show tacacs
225.	show tcp statistics
226.	show tech-support
227.	show terminal
228.	show users
229.	show version
230.	shutdown
231.	snmp-server enable traps
232.	snmp-server enable traps bgp
233.	snmp-server enable traps snmp

APPENDIX J.3 - Procket Networks vs. Cisco Command Overlap (2003/2004)

234.	snmp-server location location
235.	speed
236.	ssh
237.	stopbits 1
238.	stopbits 2
239.	tacacs-server timeout seconds
240.	terminal length lines
241.	timers lsa-group-pacing seconds
242.	transmit-delay seconds
243.	tunnel mode gre ip
244.	write memory